SAMSUNG DVM Air Conditioner

2010

SAMSUNG

DVM

DVM Technical Data Book

Indoor Units

DVM PLUS III

North America for 60Hz

DVM

DVM Technical Data Book

Indoor Units

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6	Neo Forte	63
7	Vivace	73

DVM PLUS III

I. Products

1 Outdoor units 6
2 Indoor units 9
3 Accessories 11

1 Outdoor units

1-1. Nomenclature

Model name

RVX	V	H	T	100	F	E
①	②	③	④	⑤	⑥	⑦

① Classification

Outdoor unit (R410A)	RVX

② Type

Mini DVM	M
DVM PLUS III	V
DVM PLUS III HR	

③ Mode

Heat Pump	H
Heat Recovery	R

④ Airflow direction

Upward airflow	T
Frontward airflow	F

⑤ Capacity*

×1/10 HP(3 digits)

* Index

HP	TON	BTU(MBH)
7.5	6	72
10.0	8	96
12.5	10	120

⑥ Rating voltage

1Ø, 220~240V, 50Hz	E
3Ø, 208~230V, 60Hz	F
3Ø, 380~415V, 50Hz	G
3Ø, 380V, 60Hz	H
3Ø, 460V. 60Hz	J

⑦ Version

Export	A~Z
Domestic(KOREA)	0~9

1-2. Line-up

TON	6	8
HP	7.5	10.0
Model Name	RVXVHT075/100FE	

TON	10
HP	12.5
Model Name	RVXVHT125FE

TON	12	14	16
HP	15.0	17.5	20.0
Model Name	RVXVHT150/175/200FE		

TON	18
HP	22.5
Model Name	RVXVHT225FE

TON	20
HP	25.0
Model Name	RVXVHT250FE

TON	22	24
HP	27.5	30.0
Model Name	RVXVHT275/300FE	

TON	26
HP	32.5
Model Name	RVXVHT325FE

TON	28
HP	35.0
Model Name	RVXVHT350FE

TON	30
HP	37.5
Model Name	RVXVHT375FE

1-3. Outdoor unit combinations

1) Basic models

Classification	Capacity (Ton)	Capacity (HP)	Model
Single unit	6	7.5	RVXVHT075FE
	8	10.0	RVXVHT100FE
	10	12.5	RVXVHT125FE

2) Combinations

Classification	Capacity (Ton)	Capacity (HP)	Basic model		
			RVXVHT075FE	RVXVHT100FE	RVXVHT125FE
Module unit	12	15.0	2		
	14	17.5	1	1	
	16	20.0		2	
	18	22.5		1	1
	20	25.0			2
	22	27.5	1	2	
	24	30.0		3	
	26	32.5		2	1
	28	35.0		1	2
	30	37.5			3

2-1. Nomenclature

Model name

AVX	C	S	H	022	C	E
①	②	③	④	⑤	⑥	⑦

① Classification

Indoor unit (R410A)	AVX

② Classification by product group

Cassette type	C
Duct type	D
Wall mounted type	W

③ Product notation

Cassette type	Slim 1way	S
	2way	2
	Mini 4way	M
	4way	4
Duct type	Slim	S
	Middle Static Pressure	U
Wall mounted type	Neo Forte	N
	Vivace	V

④ Mode

Heat Pump/Heat Recovery	H

⑤ Capacity*

×1/10 kW (3 digits)

* Index

Notation	Cooling	Heating
020	6.0 MBH	7.0 MBH
023	7.5 MBH	8.5 MBH
032	9.5 MBH	10.5 MBH
040	12.0 MBH	13.5 MBH
052	18.0 MBH	20.0 MBH
060	20.0 MBH	23.0 MBH
072	24.0 MBH	27.0 MBH
100	30.0 MBH	34.0 MBH
110	36.0 MBH	40.0 MBH
145	48.0 MBH	54.0 MBH

⑥ Rating voltage

1Ø, 220V, 60Hz	B
1Ø, 208V~230V, 60Hz	C
1Ø, 220V~240V, 50Hz	E

⑦ Version

Export	A~Z
Domestic(KOREA)	0~9

2-2. Line-up

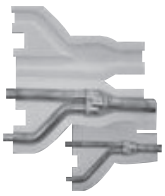
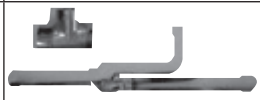
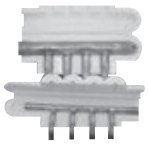
Model name (Notation)	020	023	032	040	052	060	072	100	110	145
MBH	6.0	7.5	9.5	12.0	18.0	20.0	24.0	30.0	36.0	48.0
Slim 1 way cassette										
Mini 4 way cassette										
4 way cassette										
Slim duct										
MSP duct										
Vivace										
Neo-Forte										

3 Accessories

Classification		Product		Model	Image	Application model
Integrated management system	Controller	DMS		MIM-D00		DVM Series, FJM, CAC, ERV
		S-NET 3		MST-P3P		DVM Series, FJM, CAC, ERV
		S-NET mini		MST-S3W		DVM Series, FJM, CAC
Centralized control system	Controller	Centralized controller		MCM-A202B		DVM Series, FJM, CAC, ERV
		Operation mode selection switch		MCM-C200		DVM Series
	Interface module	Centralized controller interface module		MIM-B13B		Mini DVM(R410A), DVM PLUS II, DVM PLUS III, FJM, ERV
Individual control system	Controller	Wireless remote controller		MR-BH01U		Cassette, Duct(Receiver needed)
		Wired remote controller (Multi function)		MWR-WE00		Cassette, Wall-mounted, Duct
		Simplified wired remote controller		MWR-SH00		Cassette, Wall-mounted, Duct
		Wireless signal receiver kit	Wireless signal receiver	MRK-A00		Duct (For wireless remote controller)
			Receiver wire	MRW-10A		Duct (For wireless remote controller)
Guest room management system		Key-tag interface module		MIM-B02		DVM Series, FJM
		External contact interface module		MIM-B14		Mini DVM(R410A), DVM PLUS II, DVM PLUS III, FJM

※ DVM Series : Mini DVM, DVM, DVM PLUS II, DVM PLUS III

3 Accessories

Classification	Feature	Model	Description	Relevant unit	Remark
Y-joint		MXJ-YA1509✳	Below 51MBH	DVM PLUS II, DVM PLUS III	Requisite
		MXJ-YA2512✳	51~138MBH		
		MXJ-YA2812✳	138~160MBH		
		MXJ-YA2815✳	160~240MBH		
		MXJ-YA3119✳	240~336MBH		
		MXJ-YA3819✳	336~468MBH		
		MXJ-YA4422✳	Over 468MBH		
Outdoor joint (Outdoor Connection)		MXJ-T3819✳	30 TON	DVM PLUS II, DVM PLUS III	Requisite
Header joint		MXJ-HA2512✳	Below 160MBH (for 4 rooms)	DVM PLUS II, DVM PLUS III	Requisite
		MXJ-HA3115✳	160~240MBH (for 8 rooms)		
		MXJ-HA3819✳	Over 240MBH (for 9 rooms)		
EEV kits		MXD-A13K116✳	Below 12MBH(1 unit) + 18MBH~24MBH(1 unit)	Wall-mounted & Ceiling (For 2 indoor units)	Option
		MXD-A13K200✳	Below 12MBH(2 units)		
		MXD-A16K200✳	18MBH~24MBH(2 units)		
		MXD-A22K200✳	Over 24MBH(2 units)		
		MXD-A13K216✳	Below 12MBH(2 units) + 18MBH~24MBH(1 units)	Wall-mounted & Ceiling (For 3 indoor units)	
		MXD-A13K300✳	Below 12MBH(3 units)		
		MXD-A16K213✳	Below 12MBH(1 unit) + 18MBH~24MBH(2 units)		
		MXD-A16K300✳	18~ 24MBH(3 units)		
		MEV-A13SA	Below 12MBH	Wall-mounted & Ceiling (For single unit)	
		MEV-A16SA	Over 18~24MBH		
Drain pump		MDP-E075SEE	-	AVXDSH020~072C✳ Series	Option
		MDP-E075SEE1		AVXDSH100~145C✳ Series	
		MDP-M075SGU1		AVXDSH100~110C✳ Series	
		MDP-M075SGU2		AVXDUH145✳ Series	
Front panel		PSSMA	-	Cassette panels	Requisite
		PMSMA			
		P4SMA			

Ⅱ. Indoor units

1 Slim 1 way cassette 15
2 Mini 4 way cassette.....23
3 4 way cassette.....31
4 Slim duct.....41
5 MSP(Middle static pressure) duct.....55
7 Neo Forte.....63
8 Vivace 73

INDOOR UNITS

1 Slim 1 way cassette

(AVXCSH✶✶✶C✶)

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1-1. Specifications

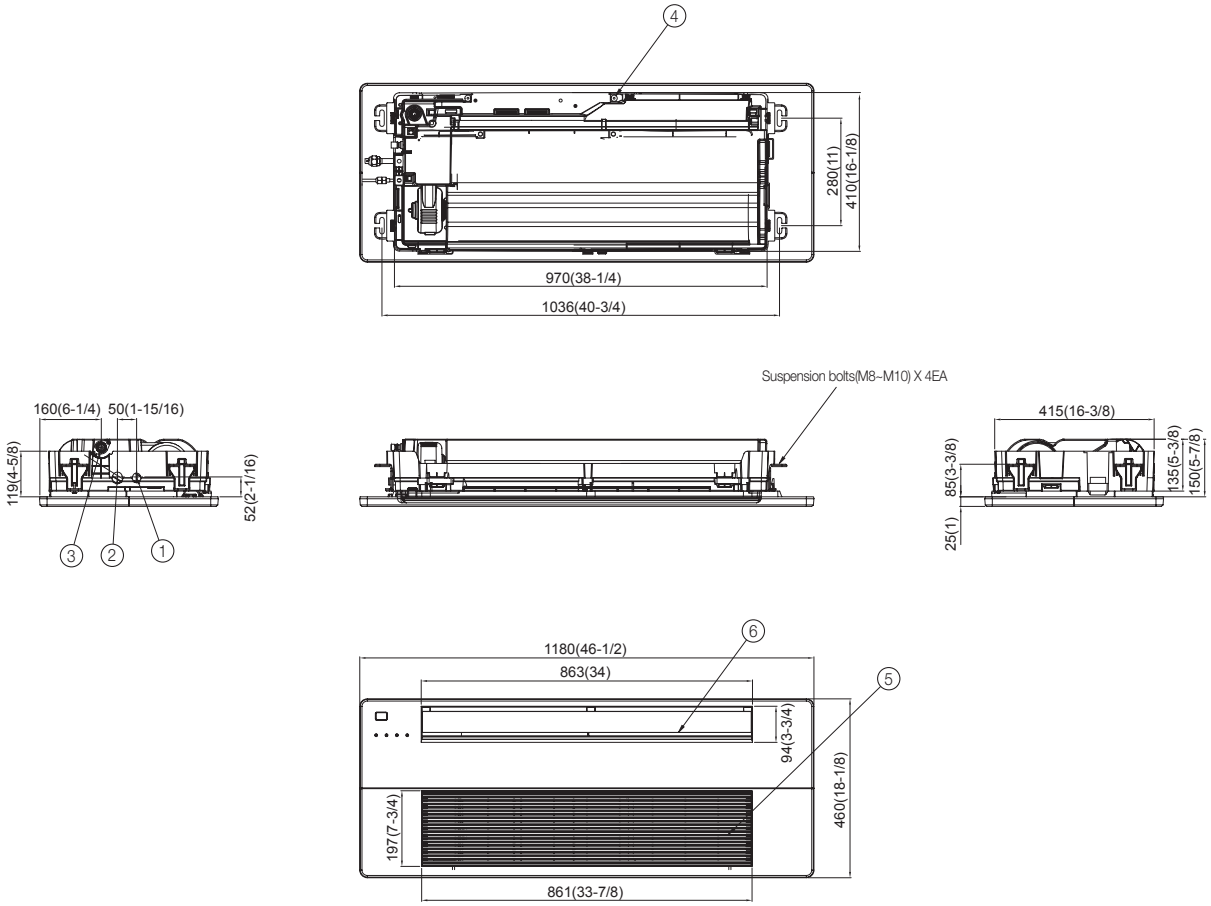
1) Technical specifications

Model				AVXCSH023CE	AVXCSH032CE	AVXCSH040CE
Power Supply			Ø/ V/ Hz	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60
Mode [1]			-	HP / HR	HP / HR	HP / HR
Performance	Norminal Capacity	Cooling [2]	Btu/h	7,500	9,500	12,000
			US RT	0.63	0.79	1.00
		Heating [3]	Btu/h	8,500	10,500	13,500
			US RT	0.71	0.88	1.13
	Condensate (with High fan speed)		Liters/h	1.12	1.44	1.60
Power	Input		W	40	45	50
	Running Current		A	0.20	0.23	0.25
Sound Level	Sound Pressure (High/Low) [4]		dB(A)	29 / 27	30 / 27	35 / 30
Fan	Type		-	Crossflow fan	Crossflow fan	Crossflow fan
	Motor	Model	-	PFS019WTVG	PFS019WTVG	PFS019WTVG
		Type	-	Feedback SSR	Feedback SSR	Feedback SSR
		Output	W	30	30	30
Airflow Rate	Cooling (High)		m^3/min	6.0	7.0	8.0
	Heating (High)			7.0	8.0	9.0
	Cooling (High)		CFM	212	247	283
	Heating (High)			247	283	318
Refrigerant	Type		-	R410a	R410a	R410a
	Control Method		-	EEV	EEV	EEV
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse
Option Code			-	078605-1260C8-200001-300000	078605-1460F8-200001-300000	075605-166625D-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	6.35	6.35	6.35
			Ø,inch	1/4"	1/4"	1/4"
	Gas (Flare)		Ø,mm	12.70	12.70	12.70
			Ø,inch	1/2"	1/2"	1/2"
	Drain (Quick Lock)		Ø,mm	VP20(OD 25,ID 20)	VP20(OD 25,ID 20)	VP20(OD 25,ID 20)
			Ø,inch	VP20(OD 1",ID 3/4")	VP20(OD 1",ID 3/4")	VP20(OD 1",ID 3/4")
Weight	Net Weight		kg	10.5	10.5	10.5
			lbs	23.1	23.1	23.1
	Shipping Weight		kg	13.5	13.5	13.5
			lbs	29.8	29.8	29.8
Dimensions	Net Dimensions (W×H×D)		mm	970 × 135 × 410	970 × 135 × 410	970 × 135 × 410
			inch	38 1/4 x 5 3/8 x 16 1/8	38 1/4 x 5 3/8 x 16 1/8	38 1/4 x 5 3/8 x 16 1/8
	Shipping Dimensions (W×H×D)		mm	1164 × 212 × 478	1165 × 212 × 478	1166 × 212 × 478
			inch	45 7/8 x 8 3/8 x 18 7/8	45 7/8 x 8 3/8 x 18 7/8	45 7/8 x 8 3/8 x 18 7/8
Panel Size	Model		-	PSSMA	PSSMA	PSSMA
	Net Weight		kg	3.0	3.0	3.0
			lbs	6.6	6.6	6.6
	Shipping Weight		kg	5.0	5.0	5.0
			lbs	11.0	11.0	11.0
	Net Dimensions (W×H×D)		mm	1180 × 25 × 460	1180 × 25 × 460	1180 × 25 × 460
			inches	46 1/2 x 1 x 18 1/8	46 1/2 x 1 x 18 1/8	46 1/2 x 1 x 18 1/8
	Shipping Dimensions (W×H×D)		mm	1259 × 144 × 539	1259 × 144 × 539	1259 × 144 × 539
			inches	49 5/8 x 5 5/8 x 21 1/4	49 5/8 x 5 5/8 x 21 1/4	49 5/8 x 5 5/8 x 21 1/4
Functions	Auto Restart		-	O	O	O
	Auto Swing		-	O	O	O
	Group/Individual Control		-	O	O	O
	External Contact Control		-	O	O	O
	Trouble Shooting by LED		-	O	O	O
Standard Accessories	Installation Manual		-	O	O	O
	Operation Manual		-	X	X	X
	Pattern Sheet for Installation		-	O	O	O
	Flexible Drain Hose		-	O	O	O
	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)
	Drain Pump (Pumping speed, lift)		ℓ/h / mm	24/750	24/750	24/750
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14

*1) Mode → HP : Heat Pump, HR : Heat Recovery
*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)
*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)
*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
*5) Specifications are subject to change without prior notice for product improvement.

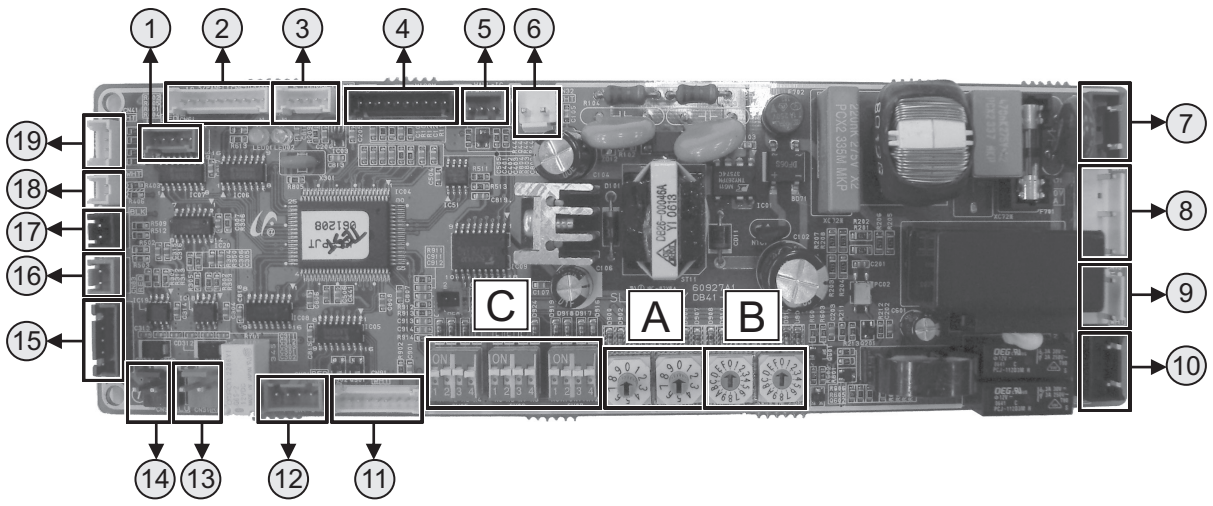
1-2. Dimensional drawing

Unit : mm(inch)



No.	Name	Description		
		7.5 MBH	9.5 MBH	12.0 MBH
①	Liquid pipe connection	Ø6.35(1/4") Flare		
②	Gas pipe connection	Ø12.70(1/2") Flare		
③	Drain pipe connection	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")		
④	Conduit for power supply & communication wiring	-		
⑤	Air inlet grille	-		
⑥	Air outlet louver	-		

1-3. PCB connector lay-out

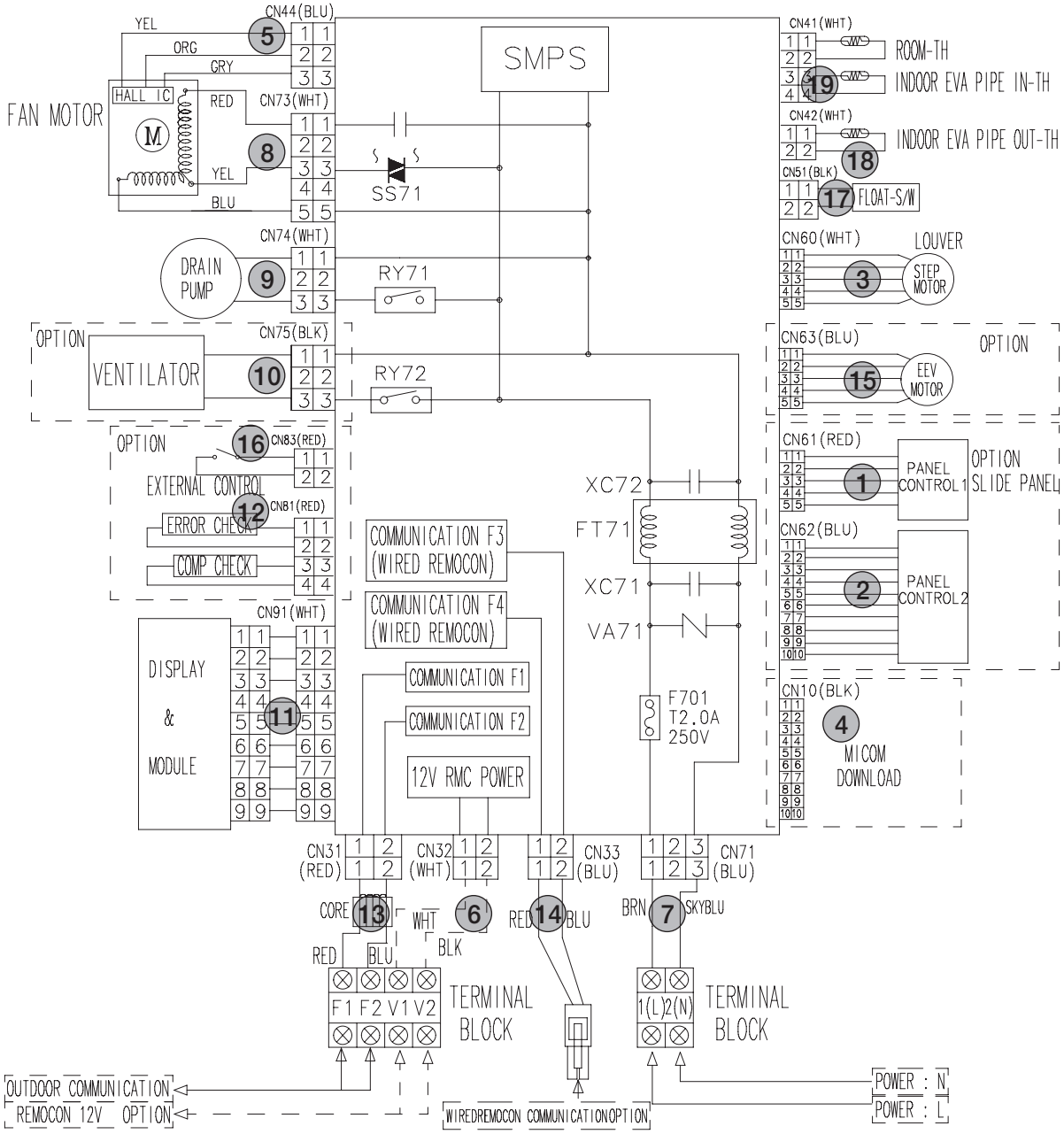


No.	CN #	COLOR	FUNCTION
①	CN61	Red	Sliding Panel 1(Only for sliding panel)
②	CN62	White	Sliding Panel 2 (Only for sliding panel)
③	CN60	White	Louver
④	CN10	Black	MICOM Download
⑤	CN44	Blue	Hall IC
⑥	CN32	White	DC 12V for Wired Remote Controller
⑦	CN71	Blue	AC 208~230V Input
⑧	CN73	White	Fan Motor
⑨	CN74	White	Drain Pump
⑩	CN75	Black	Ventilator
⑪	CN91	White	Display
⑫	CN81	Red	Error Check, Indoor unit Operation
⑬	CN31	Red	Communication with Outdoor Units (COM1)
⑭	CN33	Blue	Communication with Wired Remote Controller (COM2)
⑮	CN63	Blue	EEV
⑯	CN83	Red	External Contact Control
⑰	CN51	Black	Float Switch
⑱	CN42	White	Eva-Out Sensor
⑲	CN41	White	Room Sensor, Eva-In Sensor

No.	S/W	FUNCTION	
A	SW01 SW02	Main Address Setting (00~63)	
B	SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

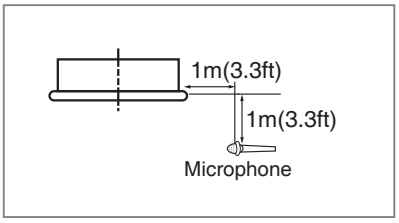
No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	Centralized Controller	Not use	Use
	K3	RPM Up	N/A	N/A
	K4	Optional Drain Pump	N/A	N/A
	K5	Heating Thermo-off	+2°C(4°F)	+5°C(9°F)
	K6	Filter Signal Display	1,000hrs	2,000hrs
	K7	Hot Water Coil	N/A	N/A
	K8	Electrical Heater	N/A	N/A
	K9	Min. EEV Step at Heating	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor unit Display on Wired Remote Controlle	Slave (Default)	Master
	K11	External Contact Control	Not use	Use
	K12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

1-4. Electrical wiring diagram



1-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

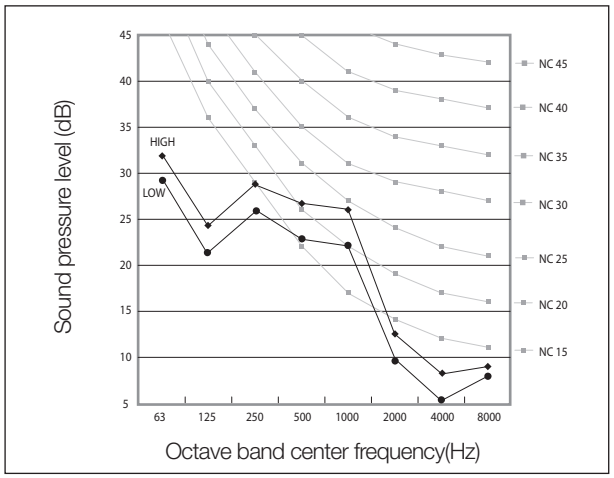
Model	High	Low
AVXCSH023CE	29	27
AVXCSH032CE	30	27
AVXCSH040CE	35	30

☑ *Note*

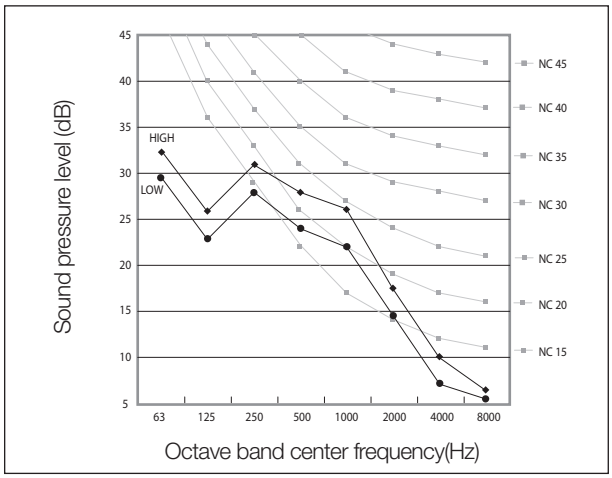
- ◆ These operation values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

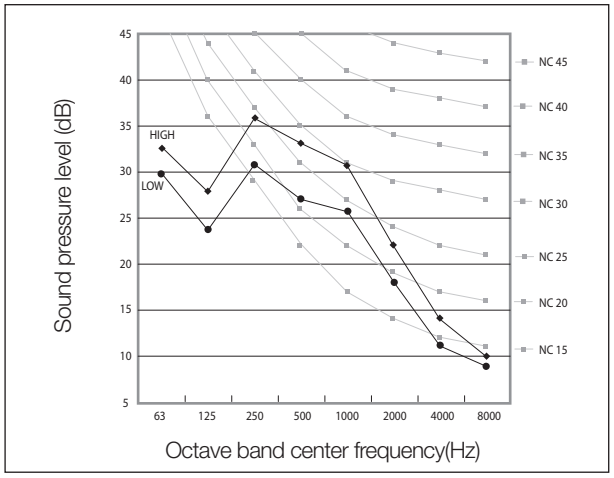
(1) AVXCSH023CE



(2) AVXCSH032CE



(3) AVXCSH040CE

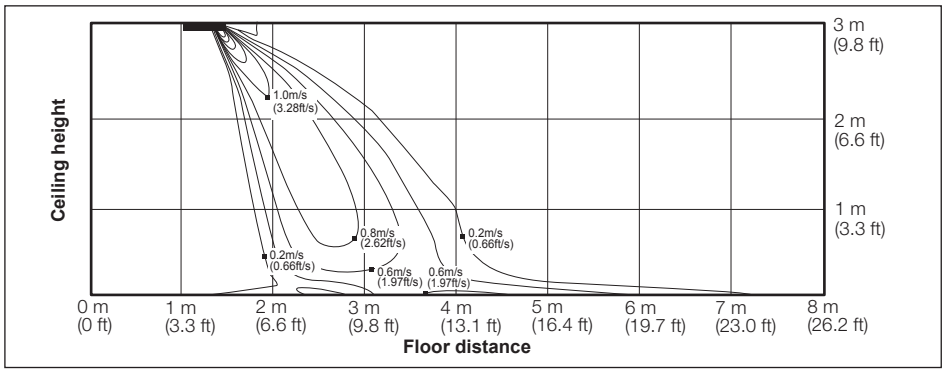


1-6. Temperature and air flow distribution

AVXCSH040CE

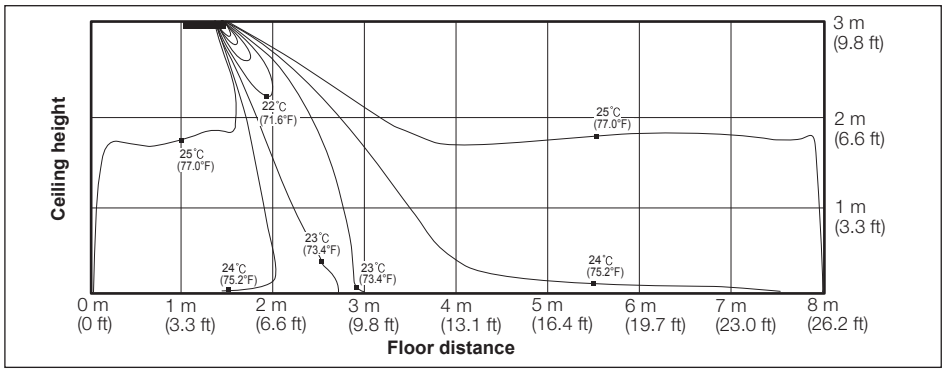
1) Cooling air velocity distribution

◆ Discharge angle : 60°



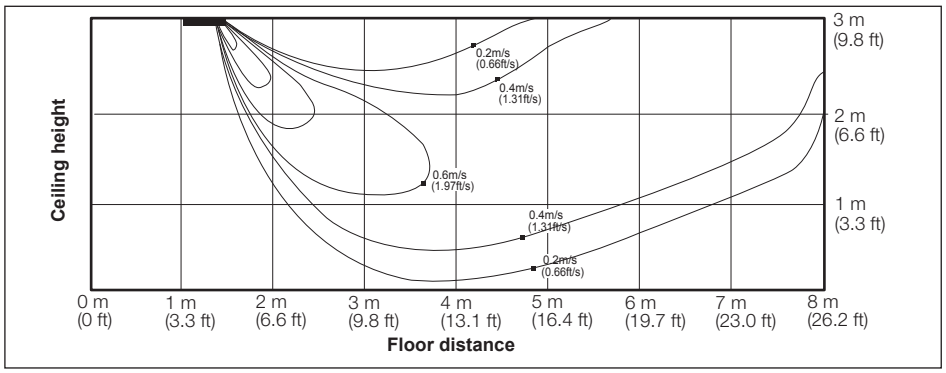
2) Cooling temperature distribution

◆ Discharge angle : 60°



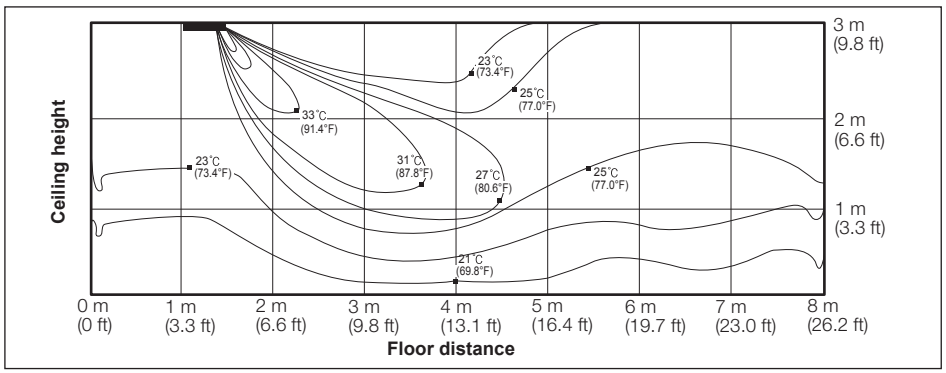
3) Heating air velocity distribution

◆ Discharge angle : 60°



4) Heating temperature distribution

◆ Discharge angle : 60°



INDOOR UNITS

2 Mini 4 way cassette

(AVXCMH✳✳✳C✳)

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2 Mini 4 way cassette

2-1. Specifications

1) Technical specifications

Model				AVXCMH032CE	AVXCMH040CE	AVXCMH052CE	AVXCMH060CE
Power Supply			Ø/ V/ Hz	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60
Mode [1]			-	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Norminal Capacity	Cooling [2]	Btu/h	9,500	12,000	18,000	20,000
			US RT	0.79	1.00	1.50	1.67
		Heating [3]	Btu/h	10,500	13,500	20,000	23,000
			US RT	0.88	1.13	1.67	1.92
	Condensate (with High fan speed)		Liters/h	1.28	1.75	2.23	2.39
Power	Input		W	110	110	110	110
	Running Current		A	0.47	0.47	0.47	0.50
Sound Level	Sound Pressure (High/Low) [4]		dB(A)	42 / 37	42 / 37	42 / 37	44 / 36
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor	Model	-	ASS035ZTEJ	ASS035ZTEJ	ASS035ZTEJ	ASS035ZTEJ
		Type	-	Non Feedback SSR	Non Feedback SSR	Non Feedback SSR	Non Feedback SSR
		Output	W	55	55	55	55
Airflow Rate	Cooling (High)		m^3/min	10.1	10.1	10.6	12.2
	Heating (High)			11.9	11.9	12.6	14.5
	Cooling (High)		CFM	357	357	374	431
	Heating (High)			420	420	445	512
Refrigerant	Type		-	R410a	R410a	R410a	R410a
	Control Method		-	EEV	EEV	EEV	EEV
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse	Fuse
Option Code			-	045224-1540B3-200001-300000	045224-1840B3-200001-300000	045224-1B40B3-200001-300000	045224-1C40F1-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35
			Ø,inch	1/4"	1/4"	1/4"	1/4"
	Gas (Flare)		Ø,mm	12.70	12.70	12.70	12.70
			Ø,inch	1/2"	1/2"	1/2"	1/2"
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
			Ø,inch	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")
Weight	Net Weight		kg	17.0	17.0	17.0	17.0
			lbs	37.5	37.5	37.5	37.5
	Shipping Weight		kg	20.0	20.0	20.0	20.0
			lbs	44.1	44.1	44.1	44.1
Dimensions	Net Dimensions (W×H×D)		mm	575 × 260 × 575	575 × 260 × 575	575 × 260 × 575	575 × 260 × 575
			inch	22 3/4 x 10 1/4 x 22 5/8	22 3/4 x 10 1/4 x 22 5/8	22 3/4 x 10 1/4 x 22 5/8	22 3/4 x 10 1/4 x 22 5/8
	Shipping Dimensions (W×H×D)		mm	660 × 310 × 635	660 × 310 × 635	660 × 310 × 635	660 × 310 × 635
			inch	26 x 12 1/4 x 25	26 x 12 1/4 x 25	26 x 12 1/4 x 25	26 x 12 1/4 x 25
Panel Size	Model		-	PMSMA	PMSMA	PMSMA	PMSMA
	Net Weight		kg	3.5	3.5	3.5	3.5
			lbs	7.7	7.7	7.7	7.7
	Shipping Weight		kg	6.2	6.2	6.2	6.2
			lbs	13.7	13.7	13.7	13.7
	Net Dimensions (W×H×D)		mm	670 × 35 × 670	670 × 35 × 670	670 × 35 × 670	670 × 35 × 670
			inches	26 3/8 x 1 3/8 x 26 3/8	26 3/8 x 1 3/8 x 26 3/8	26 3/8 x 1 3/8 x 26 3/8	26 3/8 x 1 3/8 x 26 3/8
	Shipping Dimensions (W×H×D)		mm	717 × 93 × 717	717 × 93 × 717	717 × 93 × 717	717 × 93 × 717
			inches	28 1/4 x 3 5/8 x 28 1/4	28 1/4 x 3 5/8 x 28 1/4	28 1/4 x 3 5/8 x 28 1/4	28 1/4 x 3 5/8 x 28 1/4
Functions	Auto Restart		-	O	O	O	O
	Auto Swing		-	O	O	O	O
	Group/Individual Control		-	O	O	O	O
	External Contact Control		-	O	O	O	O
	Trouble Shooting by LED		-	O	O	O	O
Standard Accessories	Installation Manual		-	O	O	O	O
	Operation Manual		-	X	X	X	X
	Pattern Sheet for Installation		-	O	O	O	O
	Flexible Drain Hose		-	O	O	O	O
	Filter / Safety Grille		-	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille
	Drain Pump (Pumping speed, lift)		ℓ/h / mm	24/750	24/750	24/750	24/750
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14	MIM-B14

*1) Mode → HP : Heat Pump, HR : Heat Recovery

*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

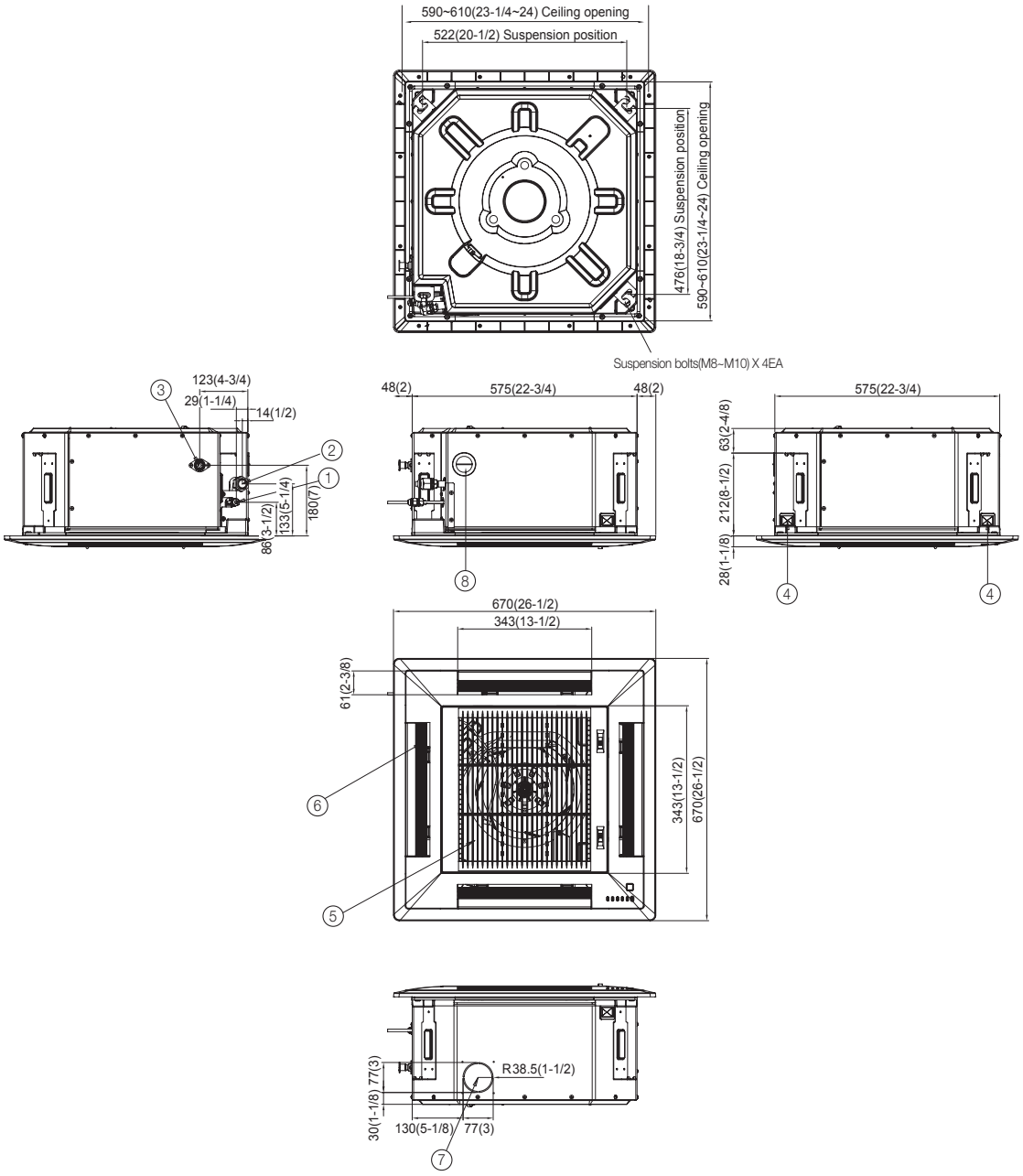
*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

*5) Specifications are subject to change without prior notice for product improvement.

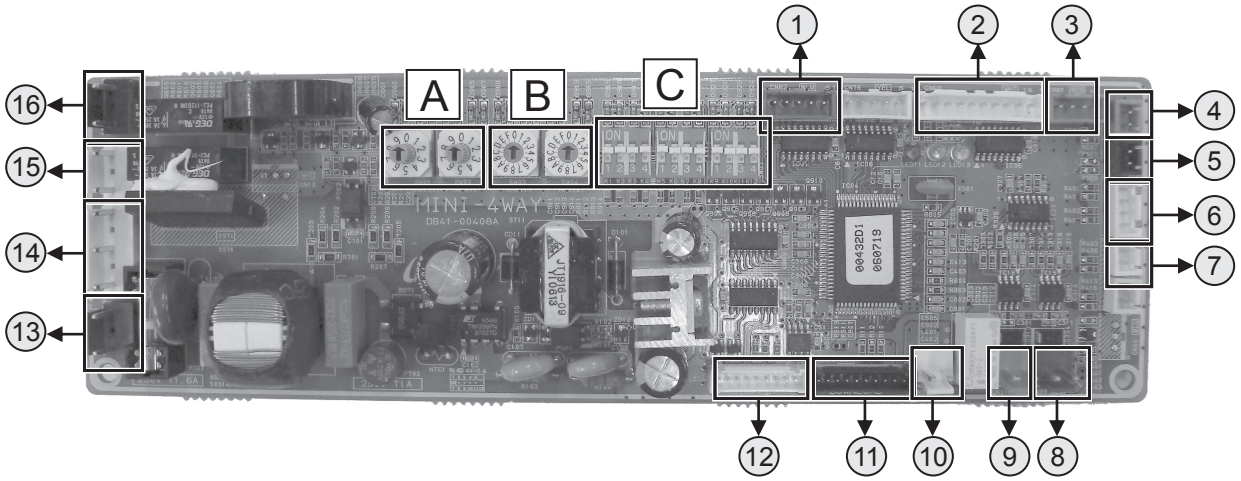
2-2. Dimensional drawing

Unit : mm(inch)



No.	Name	Description			
		9.5 MBH	12.0 MBH	18.0 MBH	20.0 MBH
①	Liquid pipe connection	Ø6.35(1/4") Flare			
②	Gas pipe connection	Ø12.70(1/2") Flare			
③	Drain pipe connection VP25(OD 32, ID 25)	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")			
④	Conduit for power supply & communication wiring	-			
⑤	Air inlet grille	-			
⑥	Air outlet louver	-			
⑦	Fresh air intake	Ø77(3")			
⑧	Drainage testing hole	-			

2-3. PCB connector lay-out

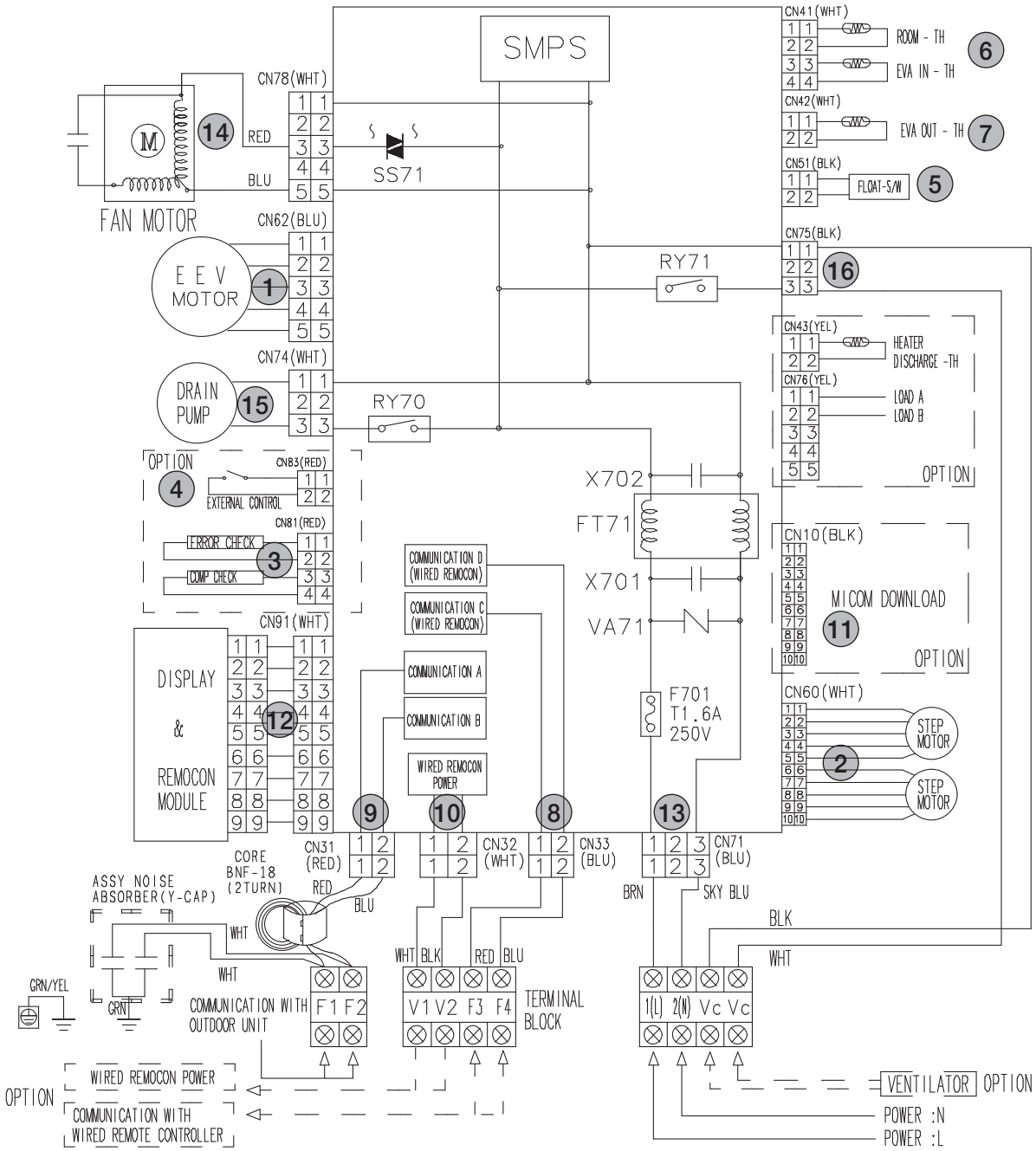


No.	CN #	COLOR	FUNCTION
①	CN62	Blue	EEV
②	CN60	White	Louver
③	CN81	Red	Error Check, Indoor unit Operation
④	CN83	Red	External Contact Control
⑤	CN51	Black	Float Switch
⑥	CN41	White	Room Sensor, Eva-In Sensor
⑦	CN42	White	Eva-Out Sensor
⑧	CN31	Red	Communication with Outdoor Units (COM1)
⑨	CN33	Blue	Communication with Wired Remote Controller (COM2)
⑩	CN32	White	DC12V for Wired Remote Controller
⑪	CN10	Black	MICOM Download
⑫	CN91	White	Display
⑬	CN71	Blue	AC 208~230V Input
⑭	CN78	White	Fan Motor
⑮	CN74	White	Drain Pump
⑯	CN75	Black	Ventilator

No.	S/W	FUNCTION	
A	SW01 SW02	Main Address Setting (00~63)	
B	SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

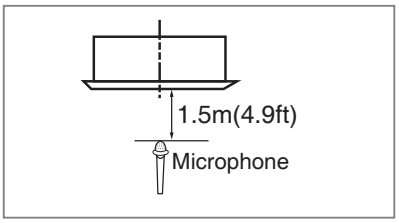
No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	Centralized Controller	Not use	Use
	K3	RPM Up	N/A	N/A
	K4	Optional Drain Pump	N/A	N/A
	K5	Heating Thermo-off	+5°C(9°F)	+2°C(4°F)
	K6	Filter Signal Display	1,000hrs	2,000hrs
	K7	Hot Water Coil	N/A	N/A
	K8	Electrical Heater	N/A	N/A
	K9	Min. EEV Step at Heating	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor unit Display on Wired Remote Controlle	Slave (Default)	Master
	K11	External Contact Control	Not use	Use
	K12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

2-4. Electrical wiring diagram



2-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

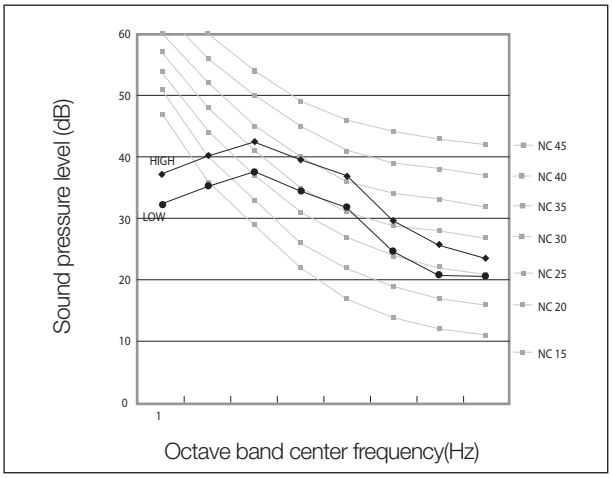
Model	High	Low
AVXCMH032CE	42	37
AVXCMH040CE	42	37
AVXCMH052CE	42	37
AVXCMH060CE	44	36

☑ *Note*

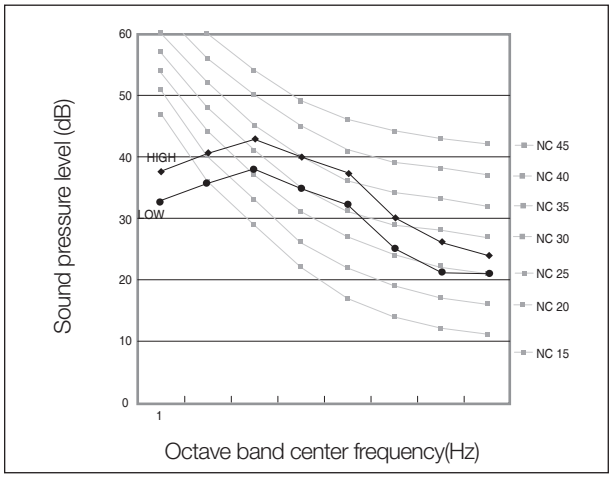
- ◆ These operation values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

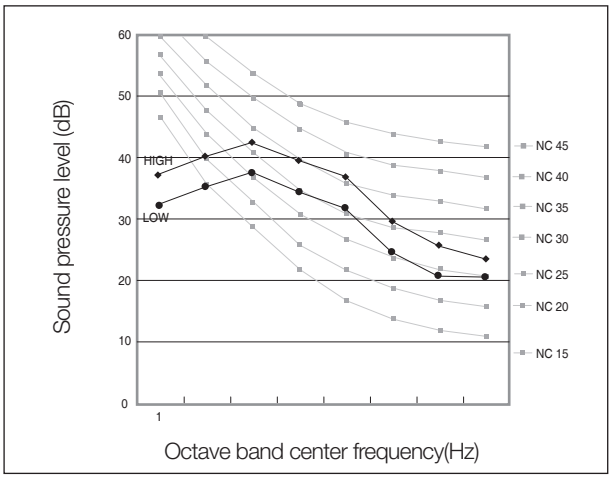
(1) AVXCMH032E



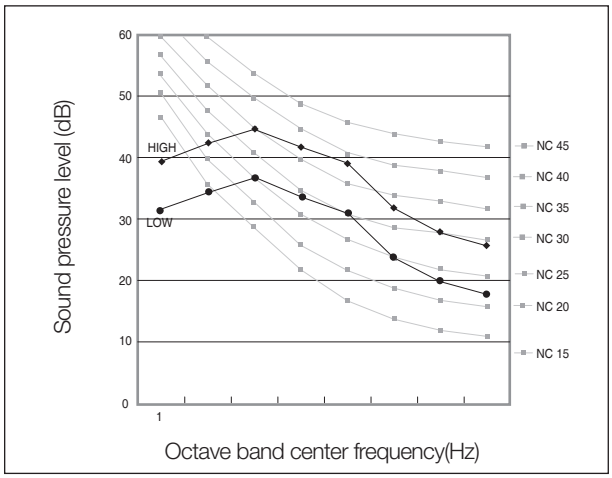
(2) AVXCMH040E



(3) AVXCMH052E



(4) AVXCMH060E

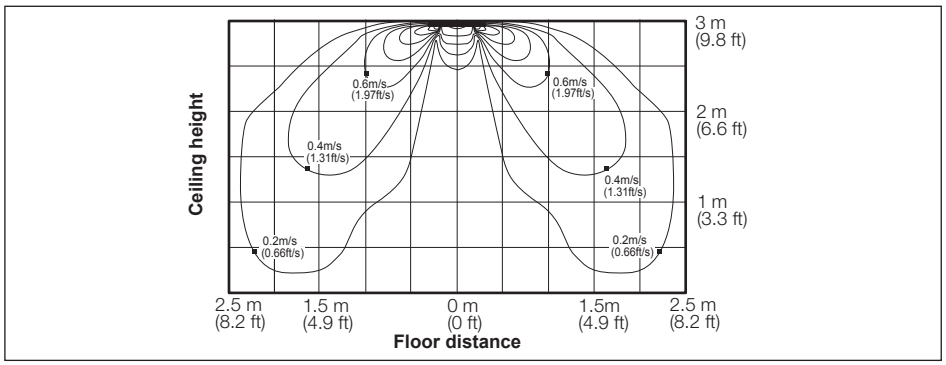


2-6. Temperature and air flow distribution

AVXCMH040CE

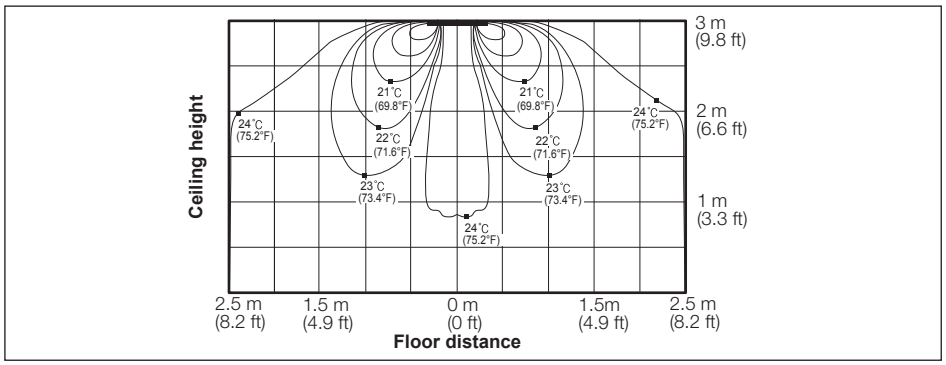
1) Cooling air velocity distribution

◆ Discharge angle : 37°



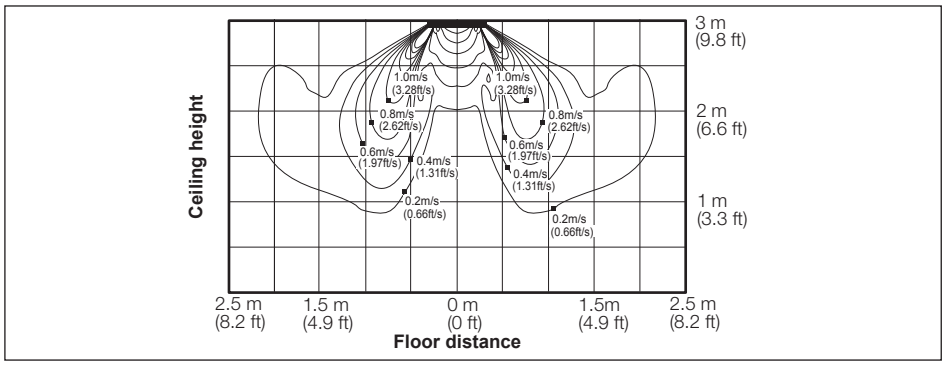
2) Cooling temperature distribution

◆ Discharge angle : 37°



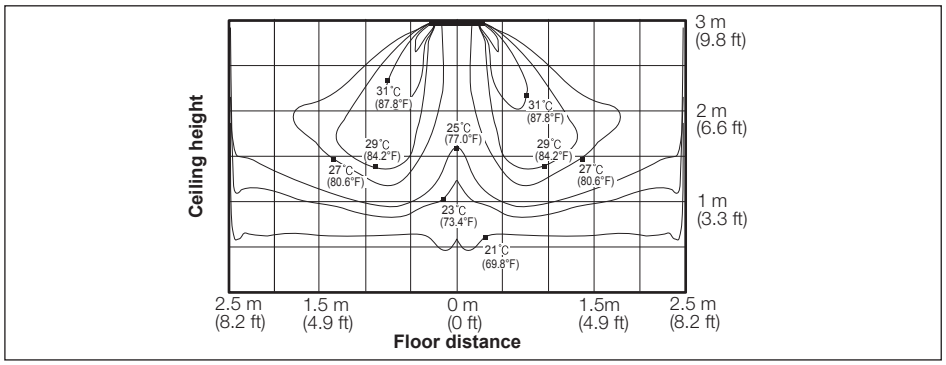
3) Heating air velocity distribution

◆ Discharge angle : 49°



4) Heating temperature distribution

◆ Discharge angle : 49°

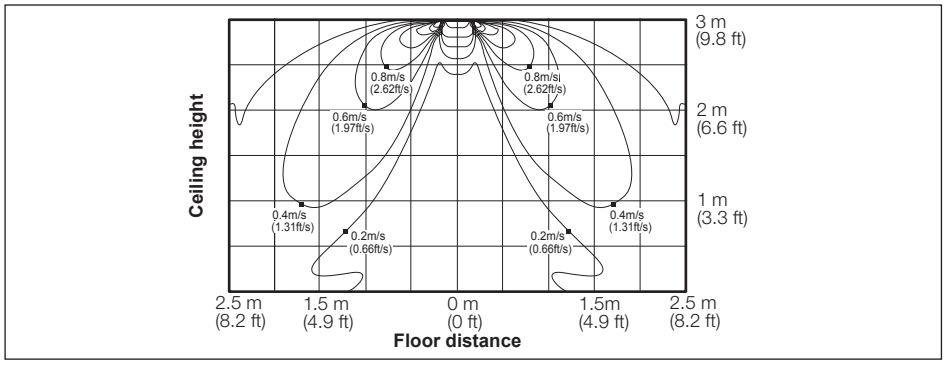


2-6. Temperature and air flow distribution

AVXCMH060CE

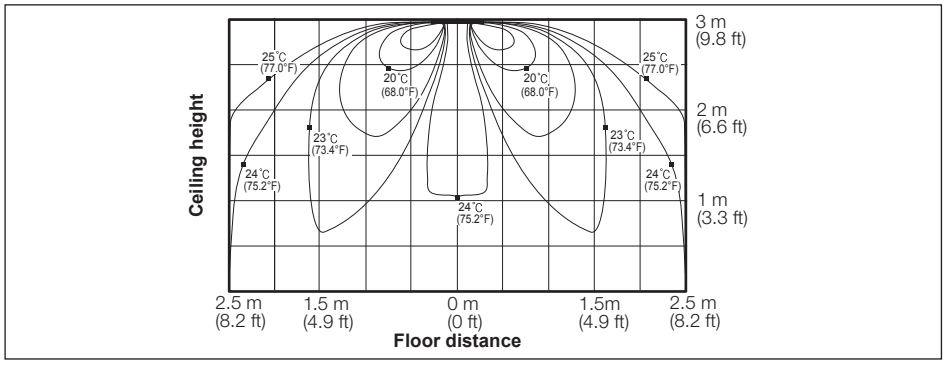
1) Cooling air velocity distribution

◆ Discharge angle : 37°



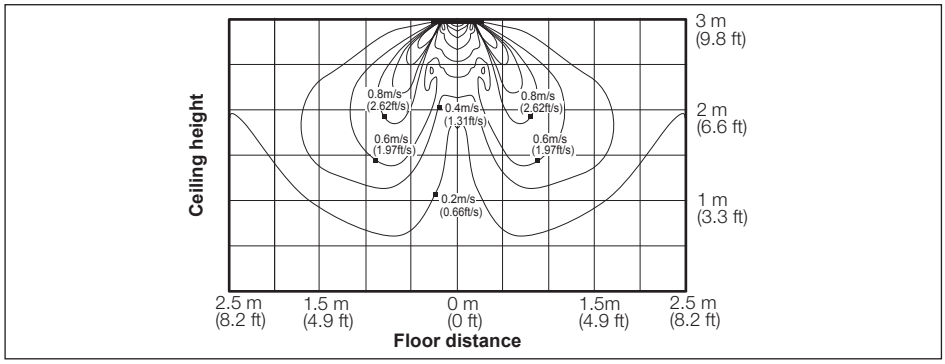
2) Cooling temperature distribution

◆ Discharge angle : 37°



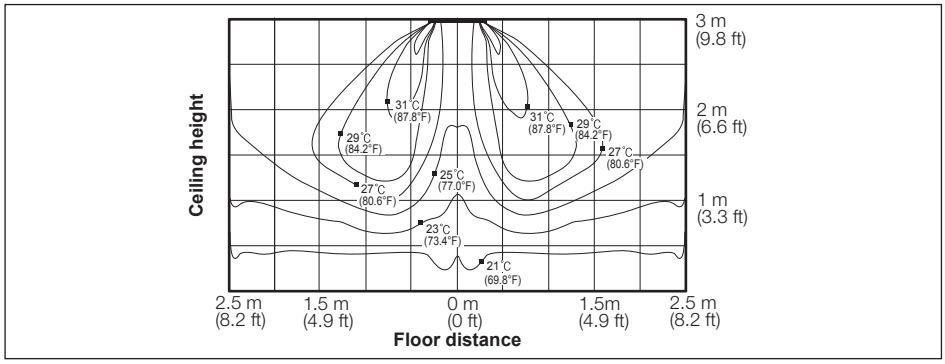
3) Heating air velocity distribution

◆ Discharge angle : 49°



4) Heating temperature distribution

◆ Discharge angle : 49°



3 4 way cassette

(AVXC4H✳✳✳C✳)

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3-1. Specifications

1) Technical specifications

Model				AVXC4H052CE	AVXC4H072CE	AVXC4H100CE	AVXC4H110CE	AVXC4H145CE
Power Supply			Ø / V/ Hz	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60
Mode [1]			-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Nominal Capacity	Cooling [2]	Btu/h	18,000	24,000	30,000	36,000	48,000
			US RT	1.50	2.00	2.50	3.00	4.00
		Heating [3]	Btu/h	20,000	27,000	34,000	40,000	54,000
			US RT	1.67	2.25	2.83	3.33	4.50
	Condensate (with High fan speed)		Liters/h	2.71	3.51	4.46	5.58	7.18
Power	Input		W	40	45	50	50	80
	Running Current		A	0.19	0.21	0.23	0.23	0.36
Sound Level	Sound Pressure (High/Low) [4]		dB(A)	34 / 29	36 / 30	40 / 33	41 / 35	45 / 38
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor	Model	-	SIC-67FV-F135-1	SIC-67FV-F135-1	SPG DL-95835SSIA	SPG DL-95835SSIA	SPG DL-95835SSIA
		Type	-	BLDC	BLDC	BLDC	BLDC	BLDC
		Output	W	35	35	40	40	70
Airflow Rate	Cooling (High)		m^3/min	14.5	17.0	23.0	25.0	26.5
	Heating (High)			16.5	18.5	26.5	29.5	32.0
	Cooling (High)		CFM	512	600	812	883	936
	Heating (High)			583	653	936	1042	1130
Refrigerant	Type		-	R410a	R410a	R410a	R410a	R410a
	Control Method		-	EEV	EEV	EEV	EEV	EEV
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse	Fuse	Fuse
Option Code			-	043217-1B00C8-200001-300000	043217-1D00F9-200001-300000	045A17-10020B-200001-300000	045A17-12022E-200001-300000	047A17-130340-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	6.35	9.52	9.52	9.52	9.52
			Ø,inch	1/4"	3/8"	3/8"	3/8"	3/8"
	Gas (Flare)		Ø,mm	12.70	15.88	15.88	15.88	15.88
			Ø,inch	1/2"	5/8"	5/8"	5/8"	5/8"
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
			Ø,inch	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")
Weight	Net Weight		kg	25.0	25.0	29.0	29.0	29.0
			lbs	55.1	55.1	63.9	63.9	63.9
	Shipping Weight		kg	31.0	31.0	35.0	35.0	35.0
			lbs	68.3	68.3	77.2	77.2	77.2
Dimensions	Net Dimensions (W×H×D)		mm	840 × 218 × 840	840 × 218 × 840	840 × 288 × 840	840 × 288 × 840	840 × 288 × 840
			inch	33 1/8 x 8 5/8 x 33 1/8	33 1/8 x 8 5/8 x 33 1/8	33 1/8 x 11 5/16 x 33 1/8	33 1/8 x 11 5/16 x 33 1/8	33 1/8 x 11 5/16 x 33 1/8
	Shipping Dimensions (W×H×D)		mm	926 × 280 × 926	926 × 280 × 926	926 × 360 × 926	926 × 360 × 926	926 × 360 × 926
			inch	36 1/2 x 11 x 36 1/2	36 1/2 x 11 x 36 1/2	36 1/2 x 14 1/8 x 36 1/2	36 1/2 x 14 1/8 x 36 1/2	36 1/2 x 14 1/8 x 36 1/2
Panel Size	Model		-	P4SMA	P4SMA	P4SMA	P4SMA	P4SMA
	Net Weight		kg	7.0	7.0	7.0	7.0	7.0
			lbs	15.4	15.4	15.4	15.4	15.4
	Shipping Weight		kg	10.3	10.3	10.3	10.3	10.3
			lbs	22.7	22.7	22.7	22.7	22.7
	Net Dimensions (W×H×D)		mm	950 × 35 × 950	950 × 35 × 950	950 × 35 × 950	950 × 35 × 950	950 × 35 × 950
			inches	37 3/8 x 1 3/8 x 37 3/8	37 3/8 x 1 3/8 x 37 3/8	37 3/8 x 1 3/8 x 37 3/8	37 3/8 x 1 3/8 x 37 3/8	37 3/8 x 1 3/8 x 37 3/8
	Shipping Dimensions (W×H×D)		mm	1042 × 103 × 1042	1042 × 103 × 1042	1042 × 103 × 1042	1042 × 103 × 1042	1042 × 103 × 1042
			inches	41 x 4 x 41	41 x 4 x 41	41 x 4 x 41	41 x 4 x 41	41 x 4 x 41
Functions	Auto Restart		-	O	O	O	O	O
	Auto Swing		-	O	O	O	O	O
	Group/Individual Control		-	O	O	O	O	O
	External Contact Control		-	O	O	O	O	O
	Trouble Shooting by LED		-	O	O	O	O	O
Standard Accessories	Installation Manual		-	O	O	O	O	O
	Operation Manual		-	X	X	X	X	X
	Pattern Sheet for Installation		-	O	O	O	O	O
	Flexible Drain Hose		-	O	O	O	O	O
	Filter / Safety Grille		-	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille
	Drain Pump (Pumping speed, lift)		ℓ/h / mm	24/750	24/750	24/750	24/750	24/750
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14	MIM-B14	MIM-B14

*1) Mode → HP : Heat Pump, HR : Heat Recovery

*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

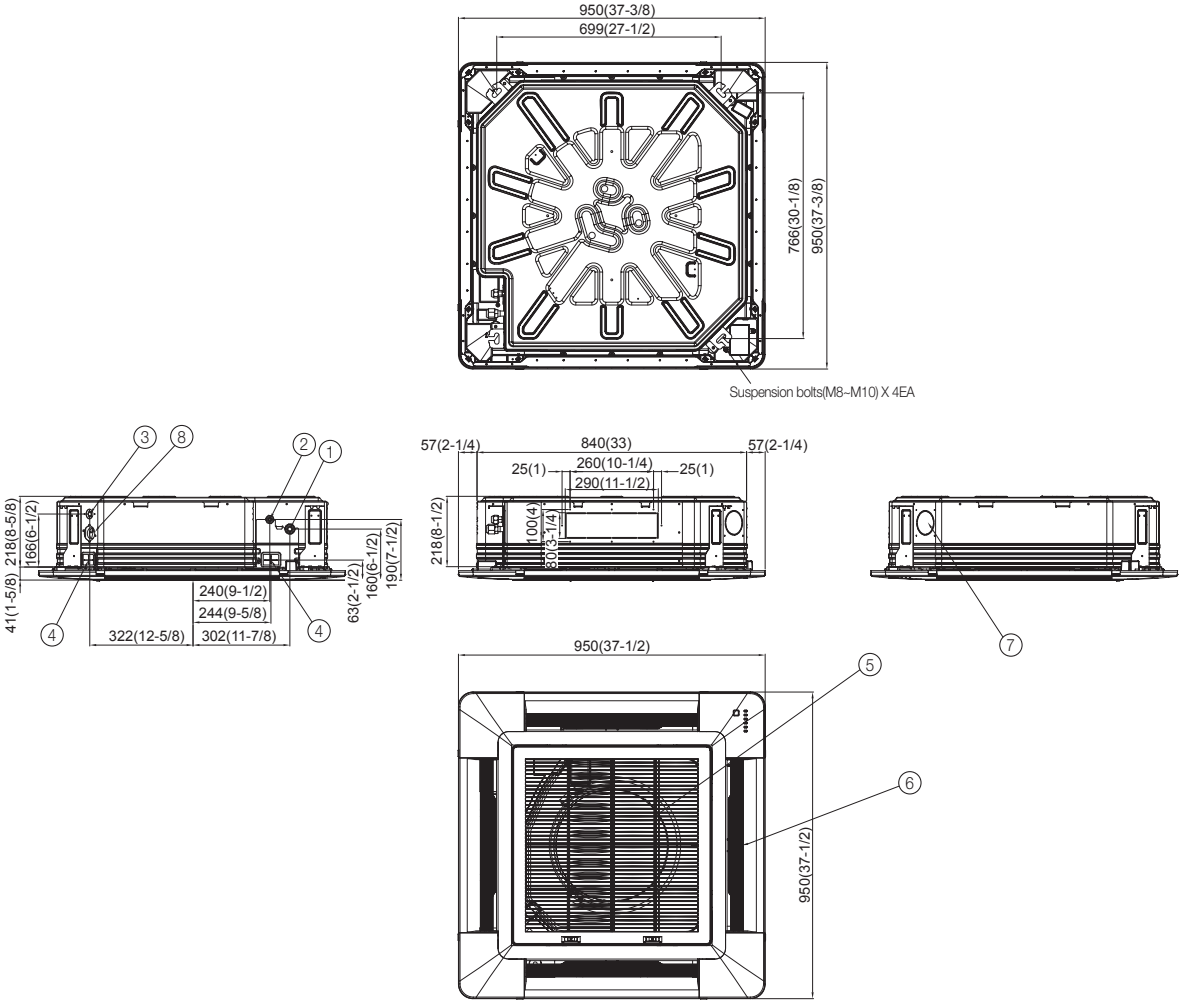
*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

*5) Specifications are subject to change without prior notice for product improvement.

3-2. Dimensional drawing

1) AVXC4H052/072CE

Unit : mm(inch)

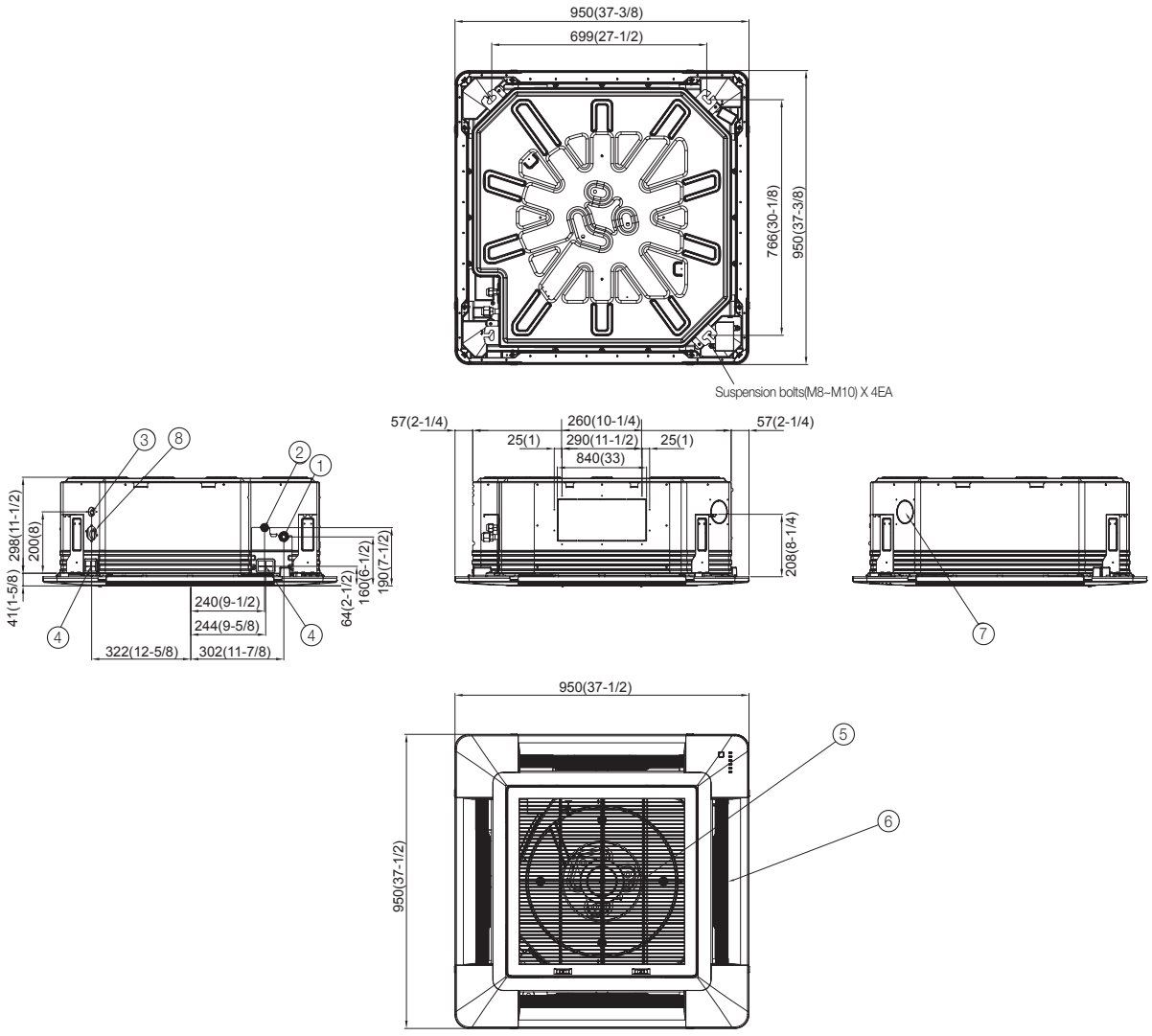


No.	Name	Description	
		18.0 MBH	24.0 MBH
①	Liquid pipe connection	Ø6.35(1/4") Flare	Ø9.52(3/8") Flare
②	Gas pipe connection	Ø12.70(1/2") Flare	Ø15.88(5/8") Flare
③	Drain pipe connection	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	
⑦	Fresh air intake	Ø77(3")	
⑧	Drainage testing hole	-	

3-2. Dimensional drawing

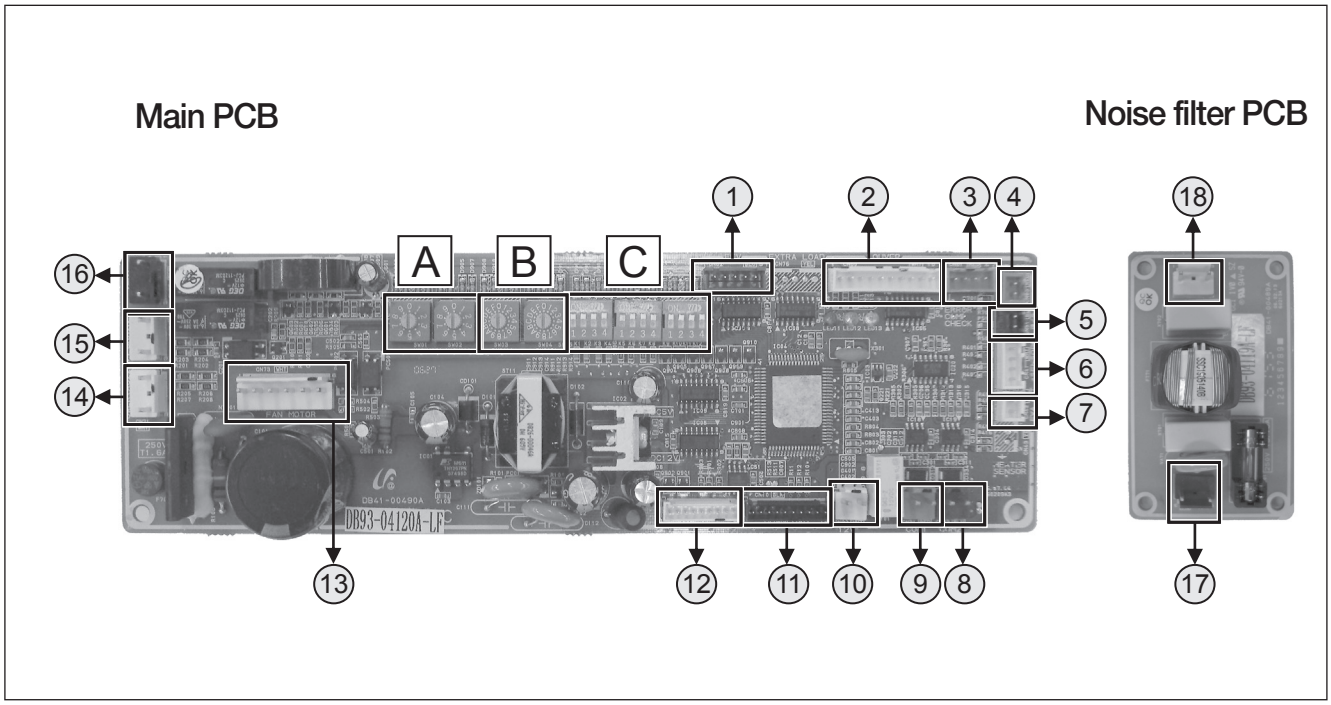
2) AVXC4H100/110/145CE

Unit : mm(inch)



No.	Name	Description		
		30.0 MBH	36.0 MBH	48.0 MBH
①	Liquid pipe connection	Ø9.52(3/8") Flare		
②	Gas pipe connection	Ø15.88(5/8") Flare		
③	Drain pipe connection	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")		
④	Conduit for power supply & communication wiring	-		
⑤	Air inlet grille	-		
⑥	Air outlet louver	-		
⑦	Fresh air intake	Ø77(3")		
⑧	Drainage testing hole	-		

3-3. PCB connector lay-out

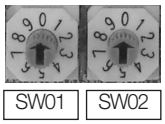


Main PCB

No.	CN #	COLOR	FUNCTION
①	CN62	Blue	EEV
②	CN60	White	Louver
③	CN81	Red	Error Check, Indoor unit Operation
④	CN83	Red	External Contact Control
⑤	CN51	Black	Float Switch
⑥	CN41	White	Room Sensor, Eva-In Sensor
⑦	CN42	White	Eva-Out Sensor
⑧	CN33	Blue	Communication with Wired Remote Controller (COM2)
⑨	CN31	Red	Communication with Outdoor Units (COM1)
⑩	CN32	White	DC 12V for Wired Remote Controller
⑪	CN10	Black	MICOM Download
⑫	CN91	White	Display
⑬	CN73	White	Fan Motor
⑭	CN71	Black	AC 208~230V Input
⑮	CN74	Yellow	Drain Pump
⑯	CN75	Black	Ventilator

Noise filter PCB

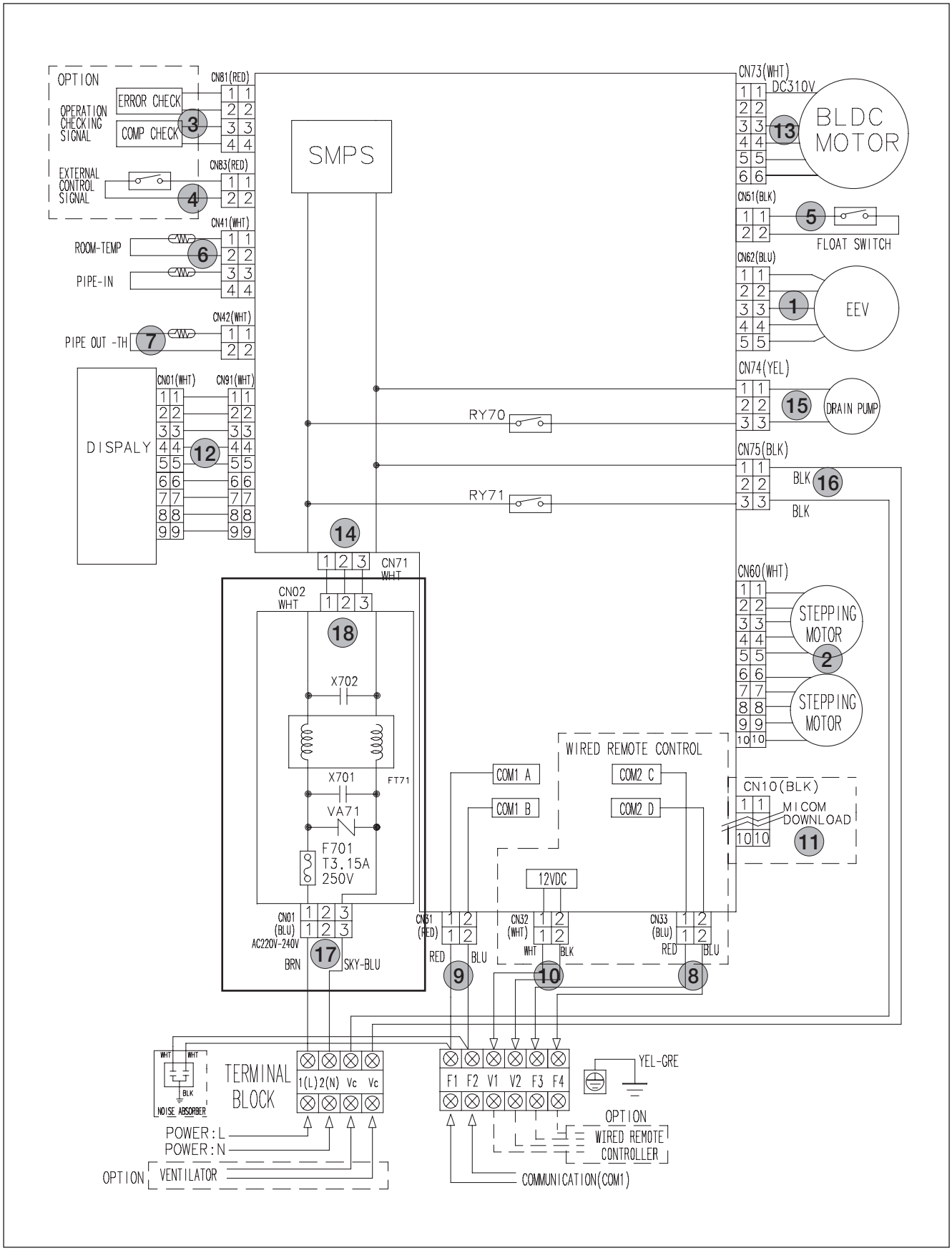
No.	CN #	COLOR	FUNCTION
⑰	CN01	Blue	AC 208~230V Input
⑱	CN02	White	AC 208~230V Output

No.	S/W	FUNCTION	
A	 SW01 SW02	Main Address Setting (00~63)	
B	SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	Centralized Controller	Not use	Use
	K3	RPM Up	N/A	N/A
	K4	Optional Drain Pump	N/A	N/A
	K5	Heating Thermo-off	+5°C(9°F)	+2°C(4°F)
	K6	Filter Signal Display	1,000hrs	2,000hrs
	K7	Hot Water Coil	N/A	N/A
	K8	Electrical Heater	N/A	N/A
	K9	Min. EEV Step at Heating	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor unit Display on Wired Remote Controlle	Slave (Default)	Master
	K11	External Contact Control	Not use	Use
	K12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

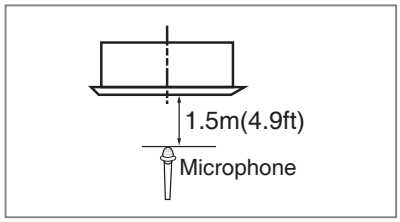
❇ K3 switch is only applicable when fan speed is set to 'high'.

3-4. Electrical wiring diagram



3-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

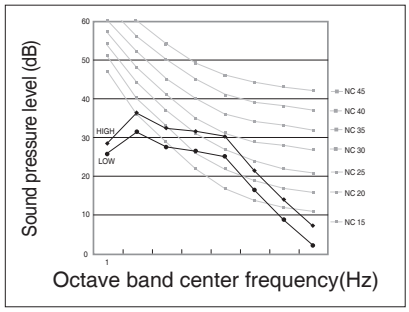
Model	High	Low
AVXC4H052CE	34	29
AVXC4H072CE	36	30
AVXC4H100CE	40	33
AVXC4H110CE	41	35
AVXC4H145CE	45	38

☑ *Note*

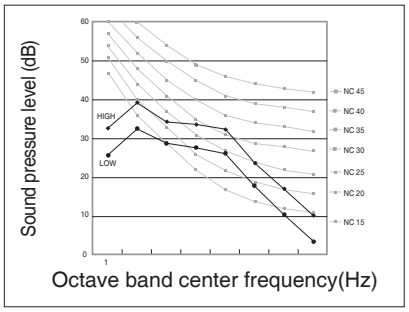
- ◆ These operation values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

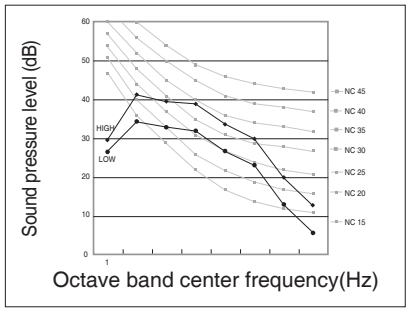
(1) AVXC4H052CE



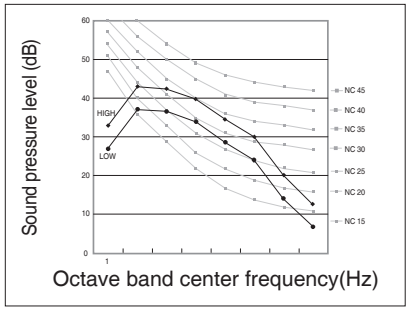
(2) AVXC4H072CE



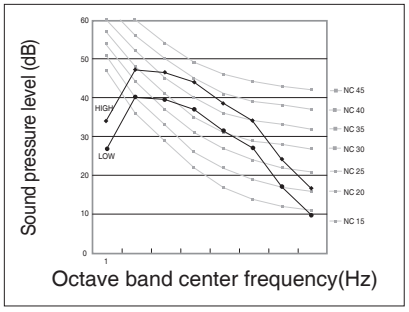
(3) AVXC4H100CE



(4) AVXC4H110CE



(5) AVXC4H145CE

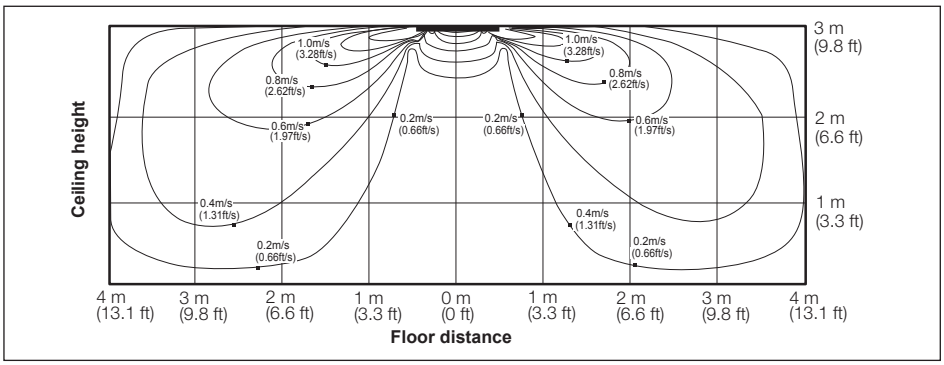


3-6. Temperature and air flow distribution

AVXC4H072CE

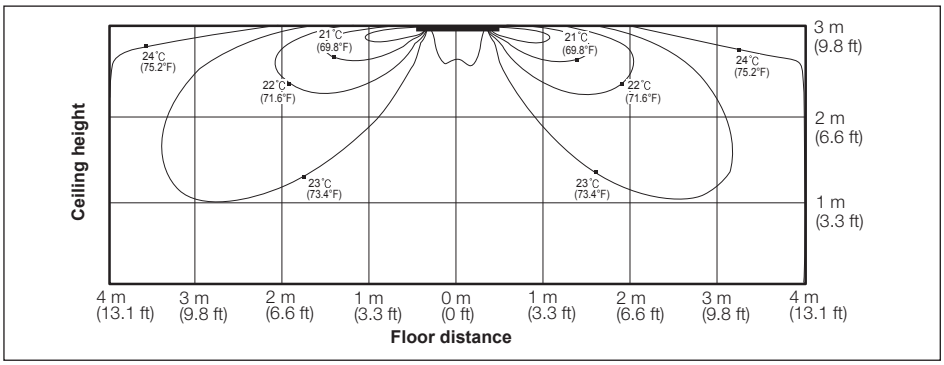
1) Cooling air velocity distribution

◆ Discharge angle : 37°



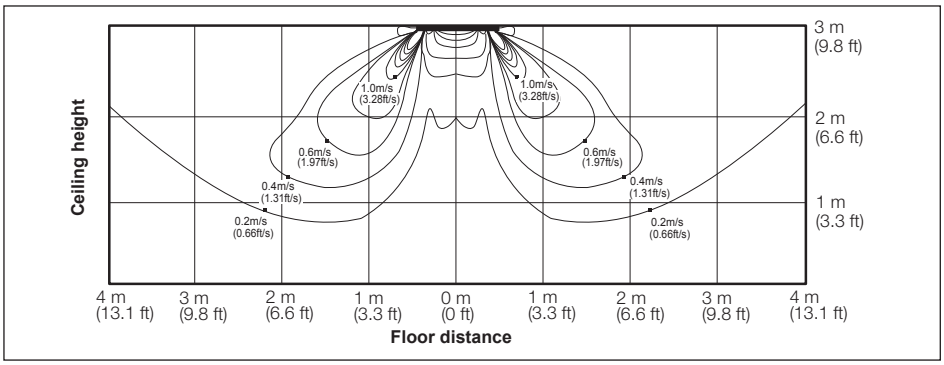
2) Cooling temperature distribution

◆ Discharge angle : 37°



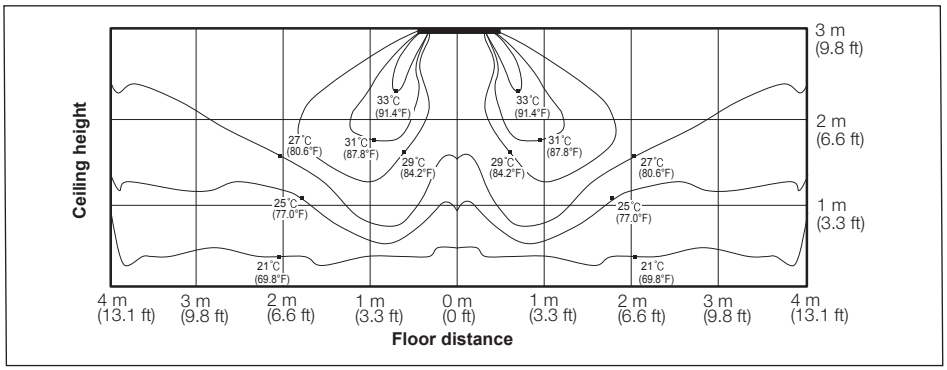
3) Heating air velocity distribution

◆ Discharge angle : 49°



4) Heating temperature distribution

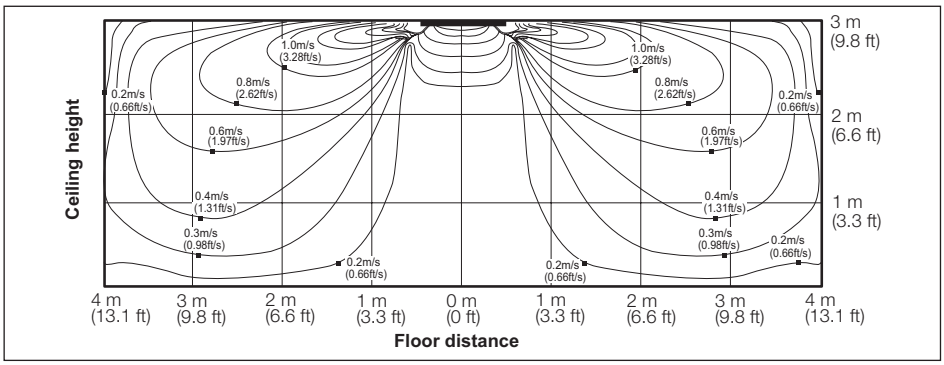
◆ Discharge angle : 49°



AVXC4H145CE

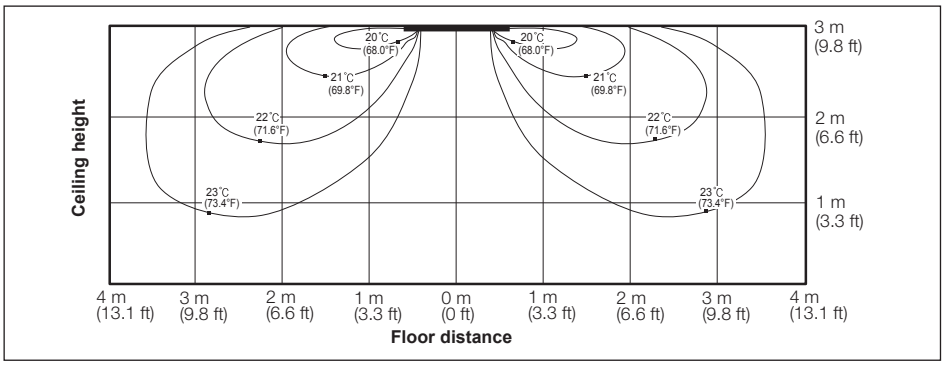
1) Cooling air velocity distribution

◆ Discharge angle : 37°



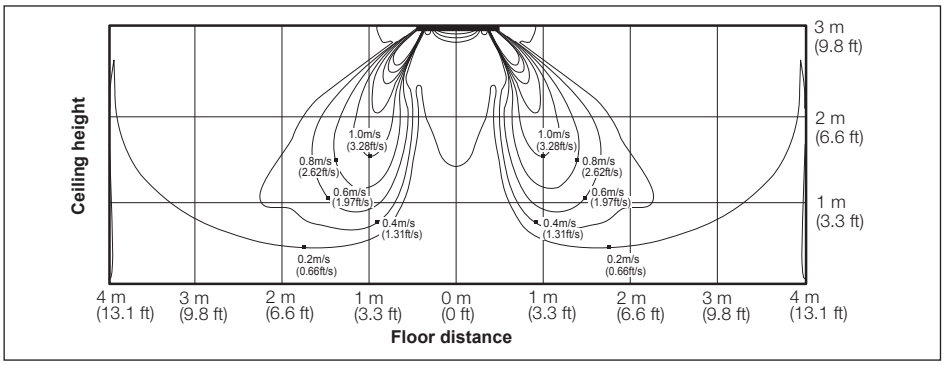
2) Cooling temperature distribution

◆ Discharge angle : 37°



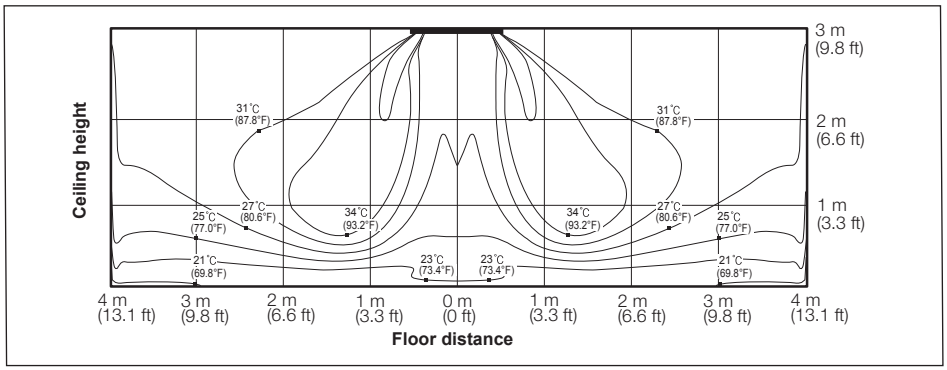
3) Heating air velocity distribution

◆ Discharge angle : 49°



4) Heating temperature distribution

◆ Discharge angle : 49°



INDOOR UNITS

4 Slim duct

(AVXDSH✳✳✳C✳)

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4-6. Recommended operation range 52

4-1. Specifications

1) Technical specifications

Model				AVXDSH020CE	AVXDSH032CE	AVXDSH040CE	AVXDSH052CE
Power Supply			Ø / V/ Hz	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60
Mode 1)			-	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Norminal Capacity	Cooling 2)	Btu/h	6,000	7,500	12,000	18,000
			US RT	0.50	0.63	1.00	1.50
		Heating 3)	Btu/h	7,000	8,500	13,500	20,000
			US RT	0.58	0.71	1.13	1.67
	Condensate (with High fan speed)		Liters/h	0.80	1.12	1.28	2.39
Power	Input		W	47	60	75	110
	Running Current		A	0.32	0.34	0.35	0.65
Sound Level	Sound Pressure (High/Low) 4)		dB(A)	31 / 26	32 / 27	33 / 30	38 / 31
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Model	-	YSK110-25-6SN	YSK110-25-6SN	YSK110-25-6SN	YSK140-60-4B-1
		Type	-	Non Feedback SSR	Non Feedback SSR	Non Feedback SSR	Non Feedback SSR
		Output	W	40	50	60	100
Airflow Rate	Cooling (High)		m^3/min	8.0	9.0	10.0	15.5
	Heating (High)			9.0	10.0	12.0	18.0
	Cooling (High)		CFM	283	318	353	547
	Heating (High)			318	353	424	636
	External Static Pressure	Standard(Min.~Max)	mmH_2O	2 (0~4)	2 (0~4)	2 (0~4)	2 (0~4)
		Standard(Min.~Max)	WG	0.08 (0~0.16)	0.08 (0~0.16)	0.08 (0~0.16)	0.08 (0~0.16)
Refrigerant	Type		-	R410a	R410a	R410a	R410a
	Control Method		-	EEV	EEV	EEV	EEV
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse	Fuse
Option Code			-	015221-1103D1-200001-300000	015223-1401B6-200001-300000	015223-160329-200001-300000	015223-1901ED-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35
			Ø,inch	1/4"	1/4"	1/4"	1/4"
	Gas (Flare)		Ø,mm	12.70	12.70	12.70	12.70
			Ø,inch	1/2"	1/2"	1/2"	1/2"
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
			Ø,inch	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")
Weight	Net Weight		kg	26.0	26.0	26.0	31.0
			lbs	57.3	57.3	57.3	68.3
	Shipping Weight		kg	31.0	31.0	31.0	39.0
			lbs	68.3	68.3	68.3	86.0
Dimensions	Net Dimensions (W×H×D)		mm	900 × 199 × 600	900 × 199 × 600	900 × 199 × 600	1100 × 199 × 600
			inch	35 3/8 x 7 7/8 x 23 5/8	35 3/8 x 7 7/8 x 23 5/8	35 3/8 x 7 7/8 x 23 5/8	43 2/8 x 7 7/8 x 23 5/8
	Shipping Dimensions (W×H×D)		mm	1133 × 333 × 722	1133 × 333 × 722	1133 × 333 × 722	1330 × 330 × 730
			inch	44 5/8 x 13 1/8 x 28 3/8	44 5/8 x 13 1/8 x 28 3/8	44 5/8 x 13 1/8 x 28 3/8	52 3/8 x 13 x 28 6/8
Functions	Auto Restart		-	O	O	O	O
	Auto Swing		-	X	X	X	X
	Group/Individual Control		-	O	O	O	O
	External Contact Control		-	O	O	O	O
	Trouble Shooting by LED		-	X	X	X	X
Standard Accessories	Installation Manual		-	O	O	O	O
	Operation Manual		-	O	O	O	O
	Pattern Sheet for Installation		-	X	X	X	X
	Flexible Drain Hose		-	O	O	O	O
	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U
	Duct Receiver Kits	Receiver	-	MRK-A01	MRK-A01	MRK-A01	MRK-A01
		Receiver Wire	-	MRW-10A	MRW-10A	MRW-10A	MRW-10A
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14	MIM-B14
	Drain Pump		-	MDP-E075SEE	MDP-E075SEE	MDP-E075SEE	MDP-E075SEE

*1) Mode → HP : Heat Pump, HR : Heat Recovery

*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

*5) Specifications are subject to change without prior notice for product improvement.

Model				AVXDSH072CE	AVXDSH100CE	AVXDSH110CE	AVXDSH145CE
Power Supply			Ø / V/ Hz	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60
Mode 1)			-	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Norminal Capacity	Cooling [2]	Btu/h	24,000	30,000	36,000	48,000
			US RT	2.00	2.50	3.00	4.00
		Heating [3]	Btu/h	27,000	34,000	40,000	54,000
			US RT	2.25	2.83	3.33	4.50
	Condensate (with High fan speed)		Liters/h	2.87	3.83	4.63	5.26
Power	Input		W	130	95	120	180
	Running Current		A	0.70	0.80	1.05	1.40
Sound Level	Sound Pressure (High/Low) [4]		dB(A)	39 / 35	37 / 33	39 / 36	41 / 38
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Model	-	YSK140-60-4B-1	DL-12840SSBC	DL-12840SSBC	DL-12840SSBC
		Type	-	Non Feedback SSR	BLDC	BLDC	BLDC
		Output	W	110	80	100	160
Airflow Rate	Cooling (High)		m^3/min	16.5	31.2	34.0	36.0
	Heating (High)			20.0	34.0	36.0	38.0
	Cooling (High)		CFM	583	1102	1201	1271
	Heating (High)			706	1201	1271	1342
	External Static Pressure	Standard(Min.~Max)	mmH_2O	2 (0~4)	3 (0~6)	3 (0~6)	3 (0~6)
		Standard(Min.~Max)	WG	0.08 (0~0.16)	0.12(0~0.24)	0.12(0~0.24)	0.12(0~0.24)
Refrigerant	Type		-	R410a	R410a	R410a	R410a
	Control Method		-	EEV	EEV	EEV	EEV
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse	Fuse
Option Code			-	015224-1C0250-200001-300000	015213-1F019F-200001-300000	015A14-1000D0-200001-300000	015A14-130263-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	9.52	9.52	9.52	9.52
			Ø,inch	3/8"	3/8"	3/8"	3/8"
	Gas (Flare)		Ø,mm	15.88	15.88	15.88	15.88
			Ø,inch	5/8"	5/8"	5/8"	5/8"
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
			Ø,inch	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")
Weight	Net Weight		kg	31.0	43.0	46.0	46.0
			lbs	68.3	94.8	101.4	101.4
	Shipping Weight		kg	39.0	51.5	54.5	54.5
			lbs	86.0	113.5	120.2	120.2
Dimensions	Net Dimensions (W×H×D)		mm	1100 × 199 × 600	1300 × 295 × 690	1300 × 295 × 690	1300 × 295 × 690
			inch	43 2/8 x 7 7/8 x 23 5/8	51 1/8 x 11 5/8 x 27 1/8	51 1/8 x 11 5/8 x 27 1/8	51 1/8 x 11 5/8 x 27 1/8
	Shipping Dimensions (W×H×D)		mm	1330 × 330 × 730	1600 × 444 × 831	1600 × 444 × 831	1600 × 444 × 831
			inch	52 3/8 x 13 x 28 6/8	63 x 17 4/8 x 32 3/4	63 x 17 4/8 x 32 3/4	63 x 17 4/8 x 32 3/4
Functions	Auto Restart		-	O	O	O	O
	Auto Swing		-	X	X	X	X
	Group/Individual Control		-	O	O	O	O
	External Contact Control		-	O	O	O	O
	Trouble Shooting by LED		-	X	X	X	X
Standard Accessories	Installation Manual		-	O	O	O	O
	Operation Manual		-	O	O	O	O
	Pattern Sheet for Installation		-	X	X	X	X
	Flexible Drain Hose		-	O	O	O	O
	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U
	Duct Receiver Kits	Receiver	-	MRK-A01	MRK-A01	MRK-A01	MRK-A01
		Receiver Wire	-	MRW-10A	MRW-10A	MRW-10A	MRW-10A
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14	MIM-B14
	Drain Pump		-	MDP-E075SEE	MDP-E075SEE1	MDP-E075SEE1	MDP-E075SEE1

*1) Mode → HP : Heat Pump, HR : Heat Recovery

*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

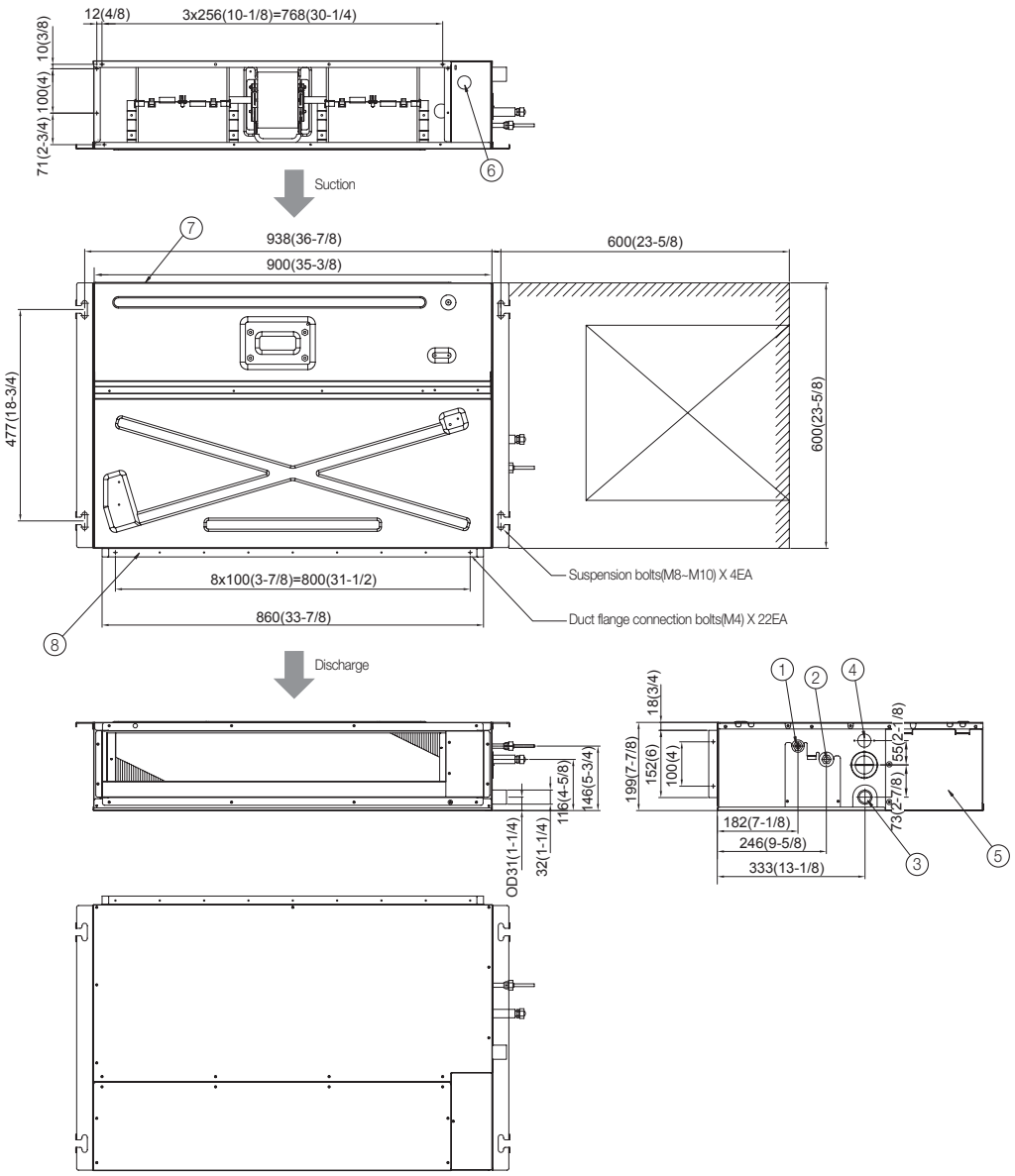
*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

*5) Specifications are subject to change without prior notice for product improvement.

4-2. Dimensional drawing

1) AVXDSH020/032/040CE

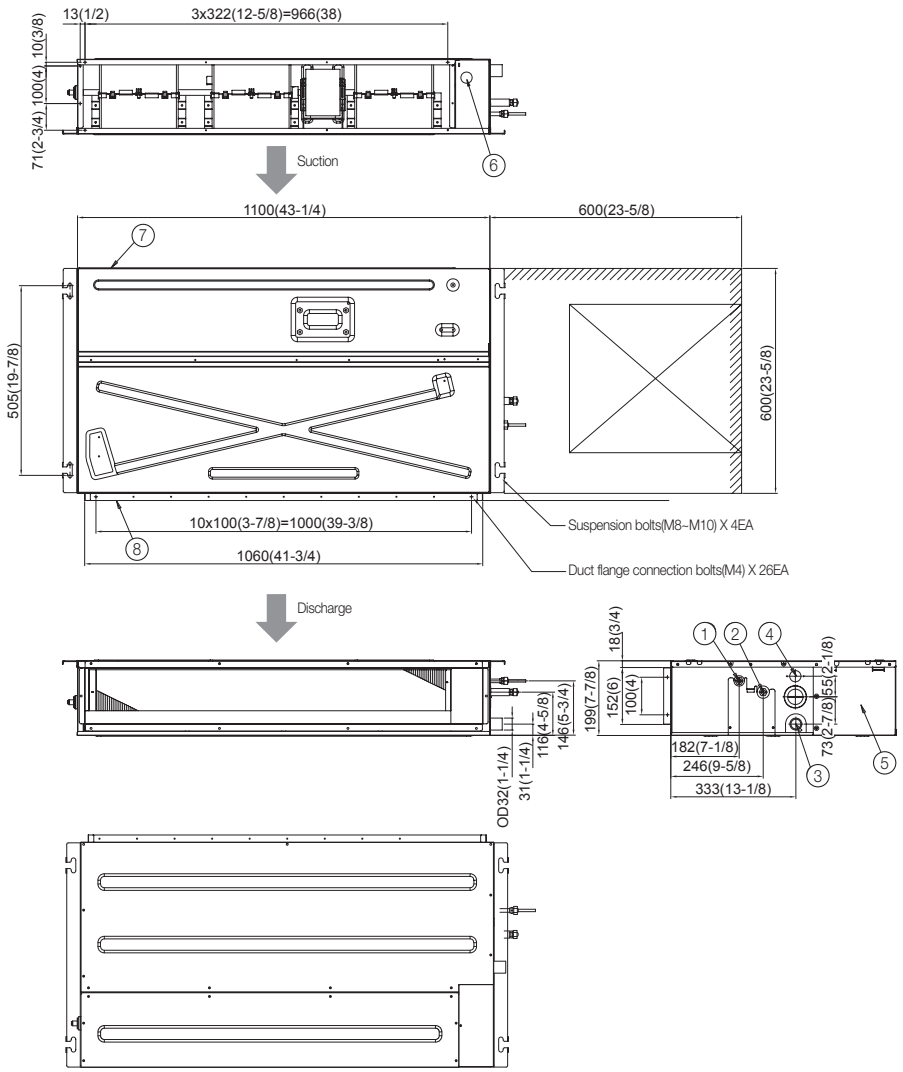
Unit : mm(inch)



No.	Name	Description		
		6.0 MBH	7.5 MBH	12.0 MBH
①	Liquid pipe connection	Ø6.35(1/4") Flare		
②	Gas pipe connection	Ø12.70(1/2") Flare		
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")		
④	Drain pipe connection with optional drain pump kits	Quick lock		
⑤	Control unit	-		
⑥	Conduit for power supply & communication wiring	-		
⑦	Return air side	-		
⑧	Air outlet duct flange	-		

2) AVXC4H052/072CE

Unit : mm(inch)

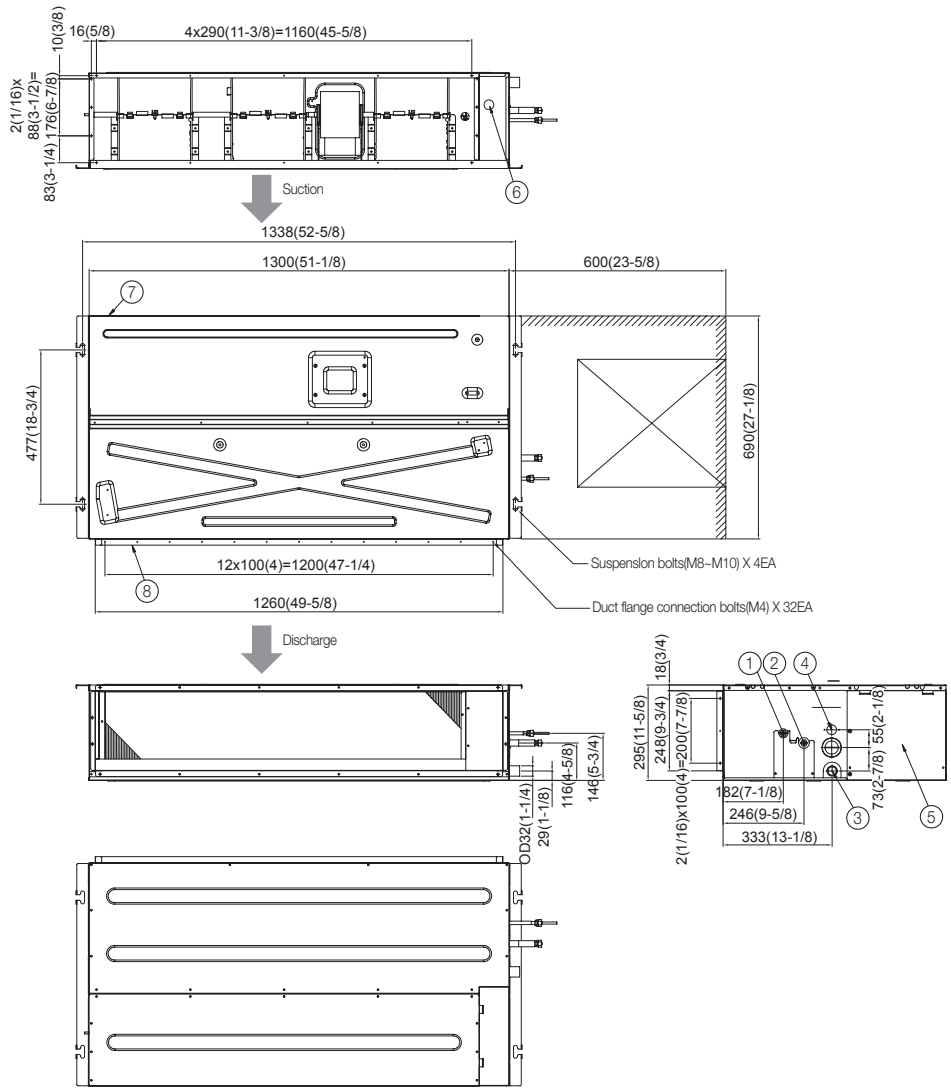


No.	Name	Description	
		18.0 MBH	24.0 MBH
①	Liquid pipe connection	Ø6.35(1/4") Flare	Ø9.52(3/8") Flare
②	Gas pipe connection	Ø12.70(1/2") Flare	Ø15.88(5/8") Flare
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")	
④	Drain pipe connection with optional drain pump kits	Quick lock	
⑤	Control unit	-	
⑥	Conduit for power supply & communication wiring	-	
⑦	Return air side	-	
⑧	Air outlet duct flange	-	

4-2. Dimensional drawing

3) AVXC4H100/110/145CE

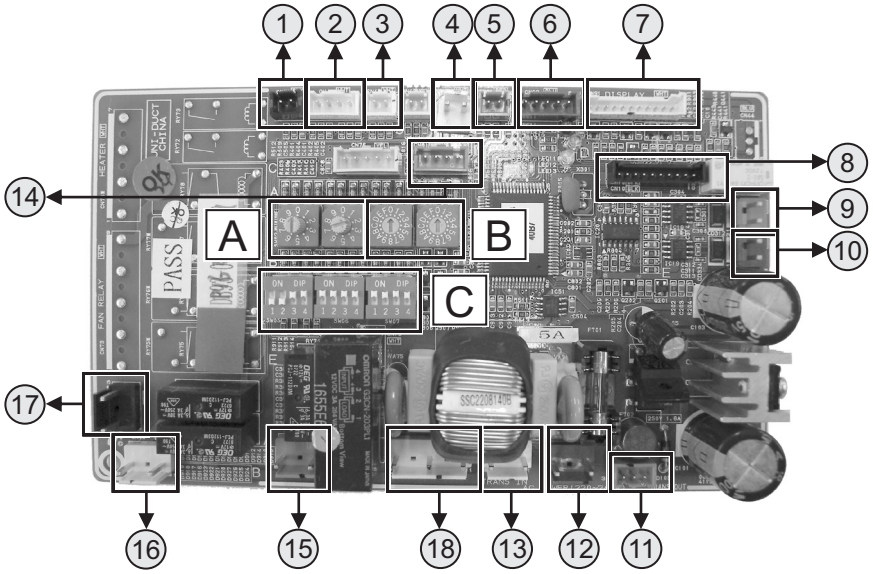
Unit : mm(inch)



No.	Name	Description		
		30.0 MBH	36.0 MBH	48.0 MBH
①	Liquid pipe connection	Ø9.52(3/8") Flare		
②	Gas pipe connection	Ø15.88(5/8") Flare		
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")		
④	Drain pipe connection with optional drain pump kits	Quick lock		
⑤	Control unit	-		
⑥	Conduit for power supply & communication wiring	-		
⑦	Return air side	-		
⑧	Air outlet duct flange	-		

4-3. PCB connector lay-out

1) AVXDSH020/032/040/052/072CE



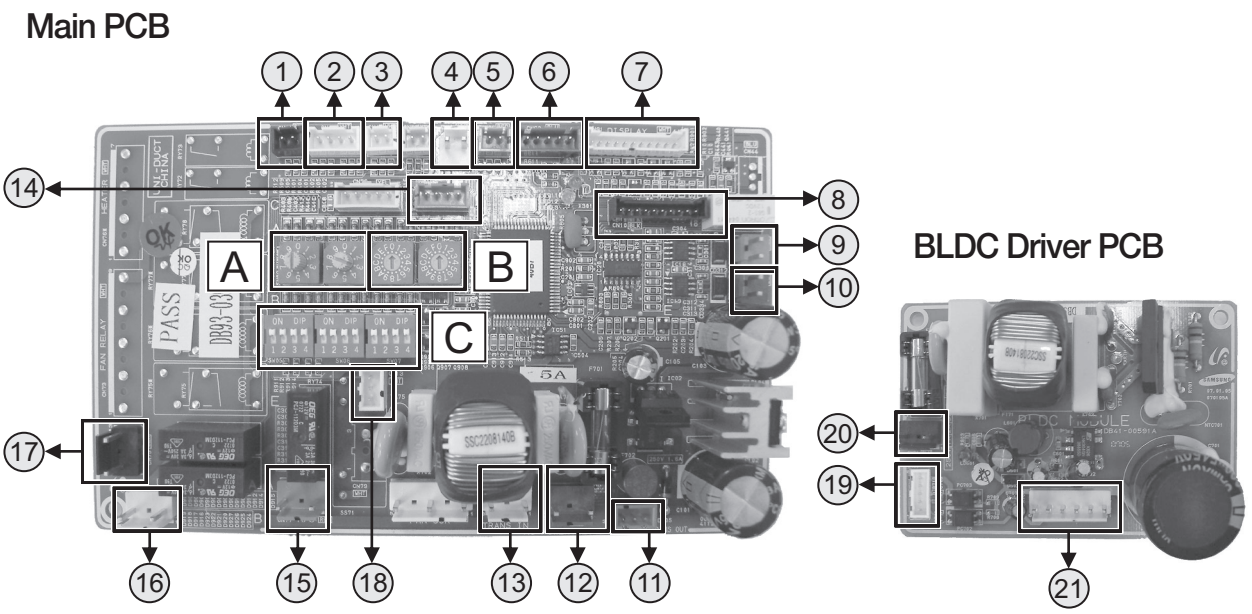
No.	CN #	COLOR	FUNCTION
①	CN51	Black	Float Switch
②	CN41	White	Room Sensor, Eva-In Sensor
③	CN42	White	Eva-Out Sensor
④	CN32	White	DC12V for Wired Remote Controller
⑤	CN83	Red	External Contact Control
⑥	CN62	Blue	EEV
⑦	CN91	White	Display
⑧	CN10	Black	MICOM Download
⑨	CN31	Red	Communication with Outdoor Units(COM1)
⑩	CN33	Blue	Communication with Wired Remote Controller (COM2)
⑪	CN11	Red	Trans-Out (AC 17V)
⑫	CN71	Blue	AC 208~230V Input
⑬	CN72	White	Trans-In (AC 208~230V)
⑭	CN81	Red	Error Check, Indoor unit Operation
⑮	CN77	Red	Hot Water Coil
⑯	CN74	Yellow	Drain Pump
⑰	CN75	Black	Ventilator
⑱	CN78	White	Fan Motor

No.	S/W	FUNCTION	
A	SW01 SW02	Main Address (00~99)	
B	SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	CentralizedController	Not Use	Use
	K3	RPM Step up	N/A	N/A
	K4	Optional Drain Pump	Not Use	Use
	K5	Heating Therm.off	+2°C(4°F)	+5°C(9°F)
	K6	Filter signal Display	1,000Hours	2,000Hours
	K7	Hot Water Coil	Not use	Use
	K8	Electrical Heater	N/A	N/A
	K9	Min.EEV Step at Heating mode	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor on wired Remote Controller	Slave (Default)	Master
	K11	Ext-Control	Not Use	Use
	12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

4-3. PCB connector lay-out

2) AVXDSH100/110/145CE



Main PCB			
No.	CN #	COLOR	FUNCTION
①	CN51	Black	Float Switch
②	CN41	White	Room Sensor, Eva-In Sensor
③	CN42	White	Eva-Out Sensor
④	CN32	White	DC12V for Wired Remote Controller
⑤	CN83	Red	External Contact Control
⑥	CN62	Blue	EEV
⑦	CN91	White	Display
⑧	CN10	Black	MICOM Download
⑨	CN31	Red	Communication with Outdoor Units (COM1)
⑩	CN33	Blue	Communication with Wired Remote Controller (COM2)
⑪	CN11	Red	Trans-Out (AC 17V)
⑫	CN71	Blue	AC 208~230V Input
⑬	CN72	White	Trans-In (AC 208~230V)
⑭	CN81	Red	Error Check, Indoor unit Operation
⑮	CN77	Red	Hot Water Coil
⑯	CN74	Yellow	Drain Pump
⑰	CN75	Black	Ventilator
⑱	CN13	White	Main-BLDC Driver PCB Connector

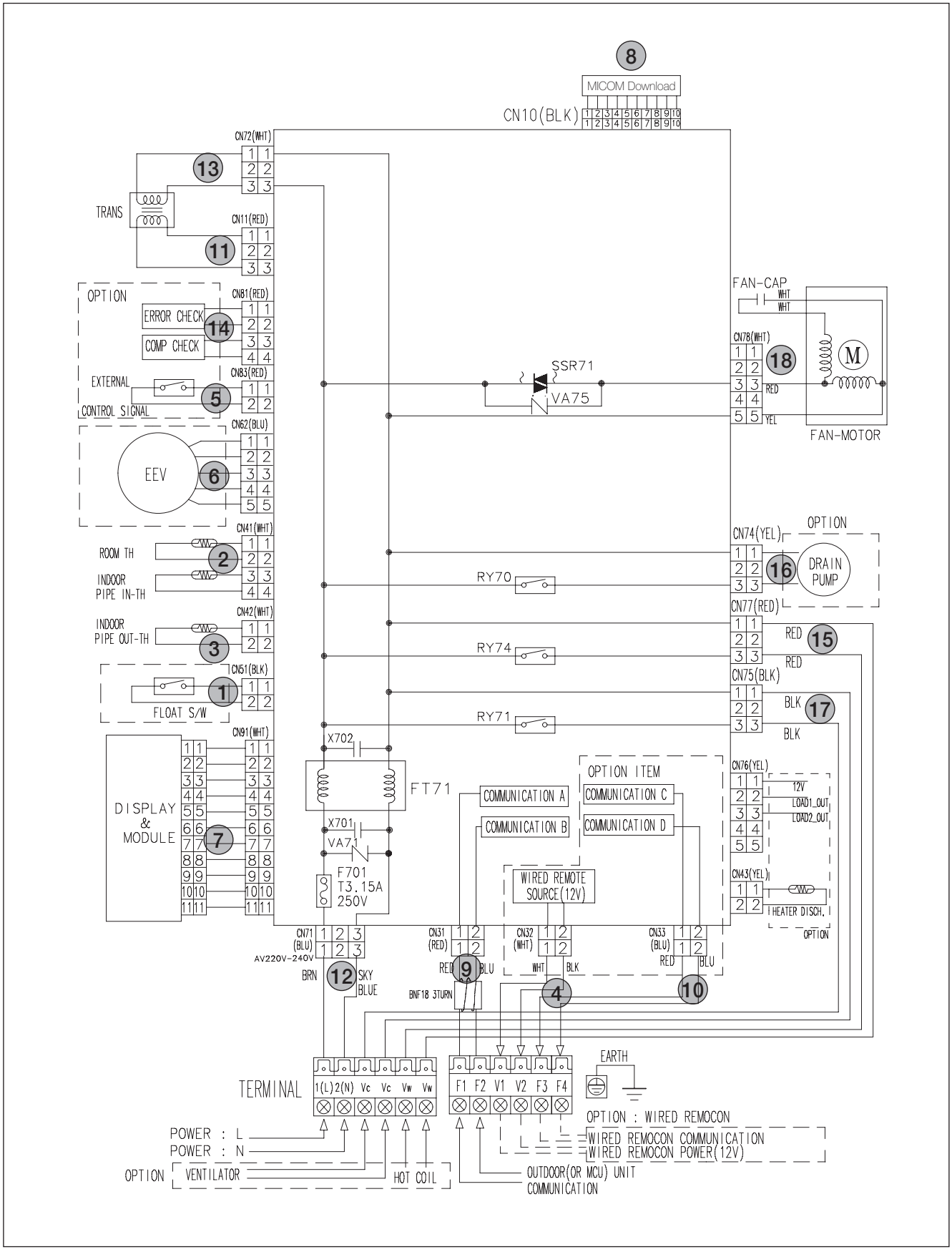
Noise filter PCB			
No.	CN #	COLOR	FUNCTION
⑲	CN35	White	Main-BLDC Driver PCB Connector
⑳	CN71	Blue	AC Power
㉑	CN72	White	Fan Motor

No.	S/W	FUNCTION	
A	SW01 SW02	Main Address Setting (00~63)	
B	SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	CentralizedController	Not Use	Use
	K3	RPM Step up	N/A	N/A
	K4	Optional Drain Pump	Not Use	Use
	K5	Heating Therm.off	+2°C(4°F)	+5°C(9°F)
	K6	Filter signal Display	1,000Hours	2,000Hours
	K7	Hot Water Coil	Not use	Use
	K8	Electrical Heater	N/A	N/A
	K9	Min.EEV Step at Heating mode	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor on wired Remote Controller	Slave (Default)	Master
	K11	Ext-Control	Not Use	Use
	K12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

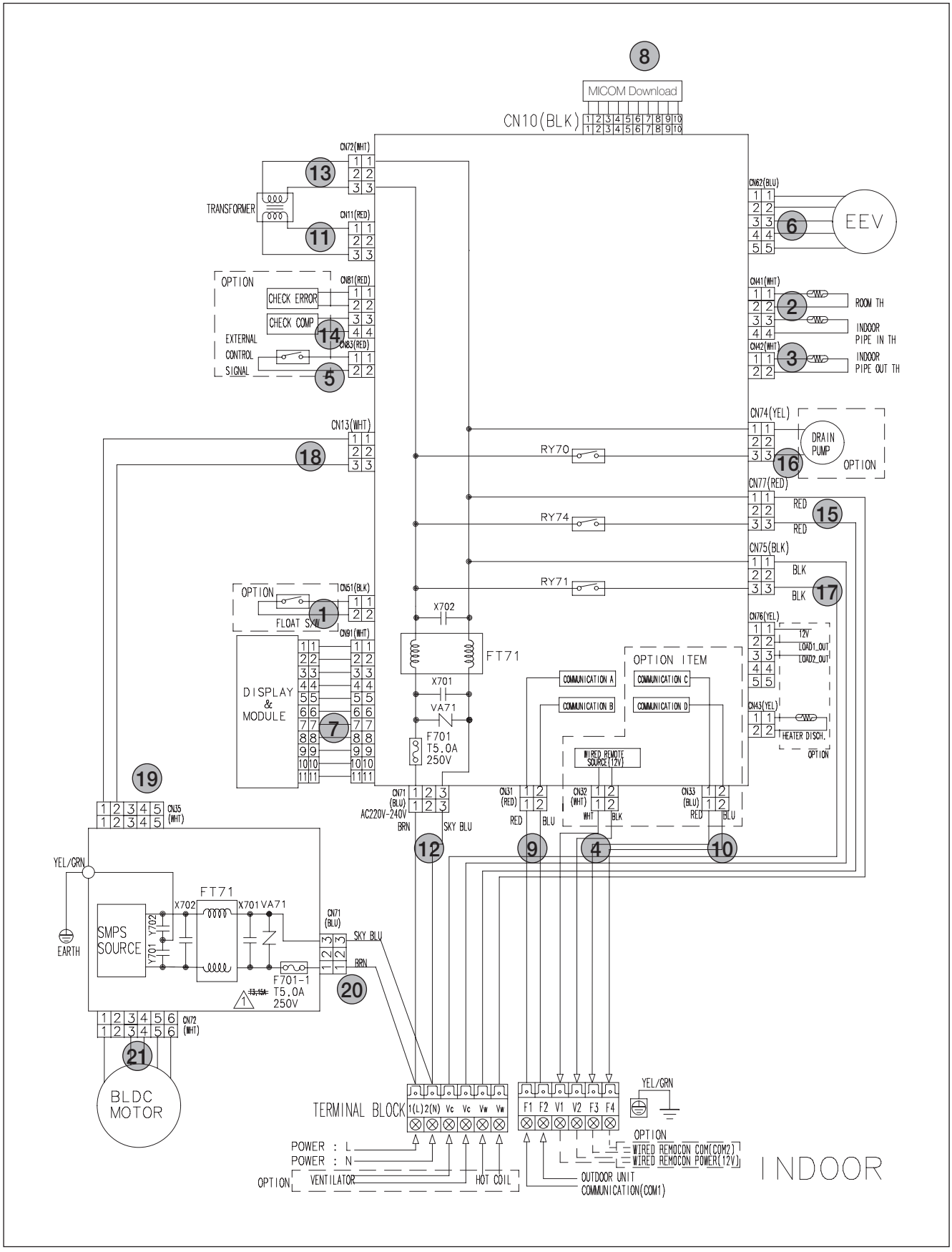
4-4. Electrical wiring diagram

1) AVXDSH020/032/040/052/072CE



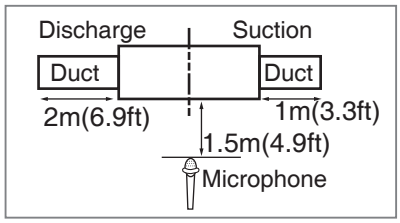
4-4. Electrical wiring diagram

2) AVXDSH100/110/145CE



4-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

Model	High	Low
AVXDSH020CE	31	26
AVXDSH032CE	32	27
AVXDSH040CE	33	30
AVXDSH052CE	38	31
AVXDSH072CE	39	35

Unit : dB(A)

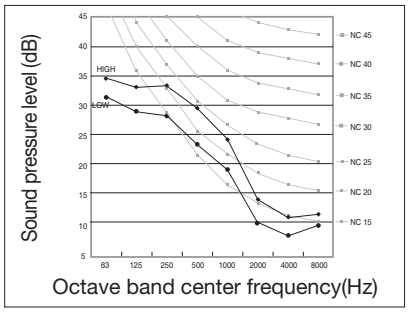
Model	High	Low
AVXDSH100CE	37	33
AVXDSH110CE	39	36
AVXDSH145CE	41	38

☑ *Note*

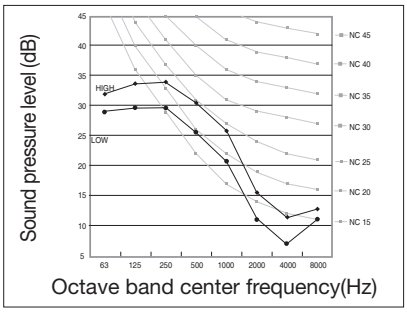
- ◆ These operation values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

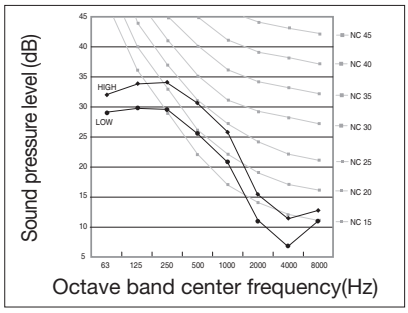
(1) AVXDSH020CE



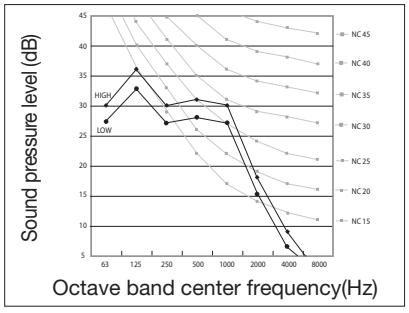
(2) AVXDSH032CE



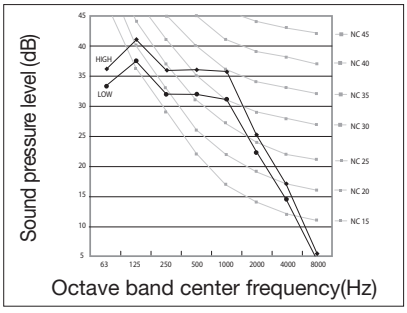
(3) AVXDSH040CE



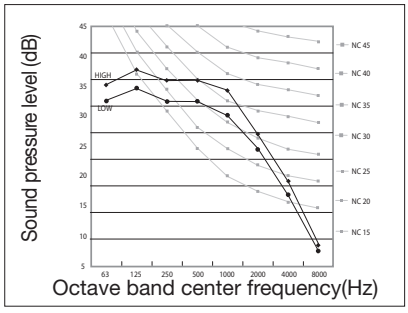
(4) AVXDSH052CE



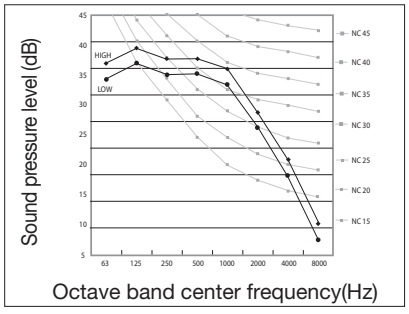
(5) AVXDSH072CE



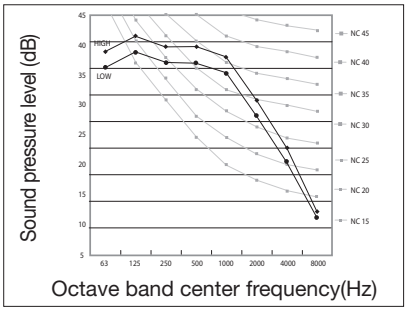
(6) AVXDSH100CE



(7) AVXDSH110CE



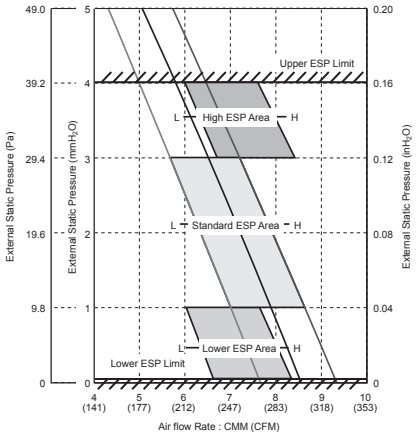
(8) AVXDSH145CE



4-6. Recommended operation range

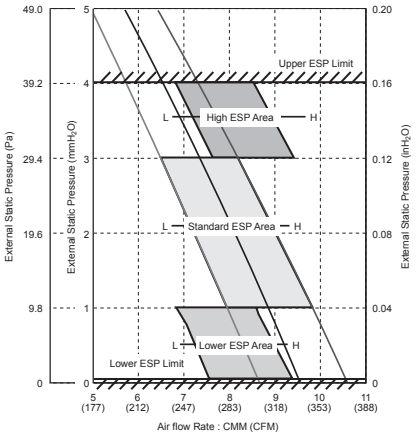
◆ Adjust option code according to the actual installation condition (external static pressure).

(1) AVXDSH020CE



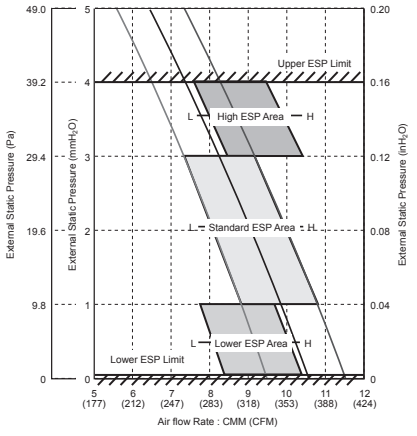
External Static Pressure		Option code
mmAq	WG	
0	0	015221-11027A-200001-300000
2	0.08	015221-1103D1-200001-300000
4	0.16	015223-11017B-200001-300000

(2) AVXDSH032CE



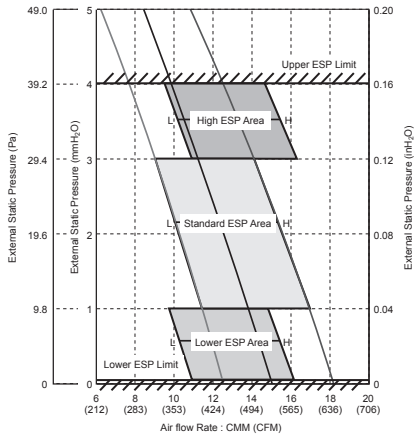
External Static Pressure		Option code
mmAq	WG	
0	0	015221-1402FD-200001-300000
2	0.08	015223-1401B6-200001-300000
4	0.16	015223-14037F-200001-300000

(3) AVXDSH040CE



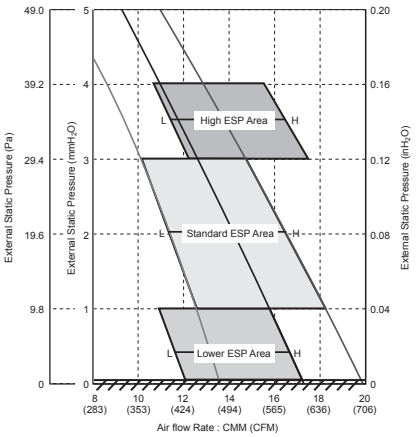
External Static Pressure		Option code
mmAq	WG	
0	0	015223-160164-200001-300000
2	0.08	015223-160329-200001-300000
4	0.16	015224-160F20-200001-300000

(4) AVXDSH052CE



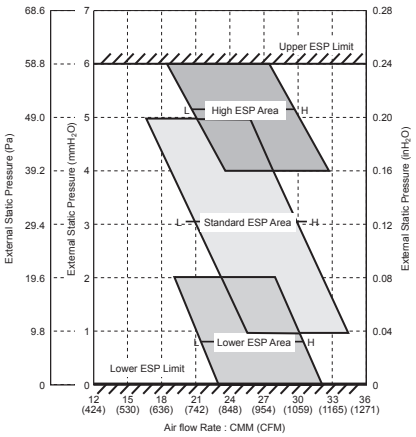
External Static Pressure		Option code
mmAq	WG	
0	0	015223-190177-200001-300000
2	0.08	015223-1901ED-200001-300000
4	0.16	015224-1902C0-200001-300000

(5) AVXDSH072CE



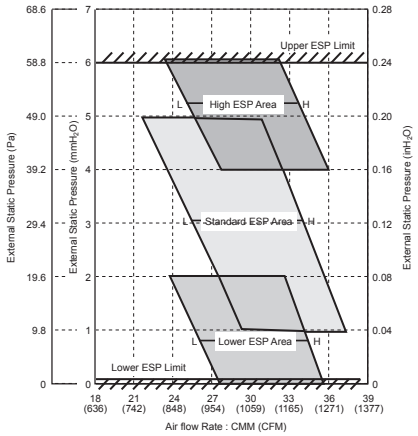
External Static Pressure		Option code
mmAq	WG	
0	0	015223-1C0189-200001-300000
2	0.08	015224-1C0250-200001-300000
4	0.16	015224-1C02F4-200001-300000

(6) AVXDSH100CE



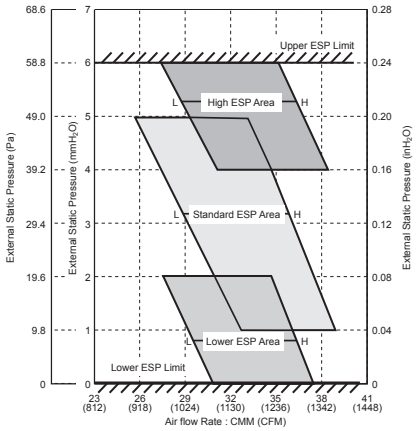
External Static Pressure		Option code
mmAq	WG	
0	0	015213-1F0127-200001-300000
3	0.12	015213-1F019F-200001-300000
6	0.24	015214-1F0224-200001-300000

(7) AVXDSH110CE



External Static Pressure		Option code
mmAq	WG	
0	0	015A13-10016C-200001-300000
3	0.12	015A14-1000D0-200001-300000
6	0.24	015A14-100244-200001-300000

(8) AVXDSH145CE



External Static Pressure		Option code
mmAq	WG	
0	0	015A14-130203-200001-300000
3	0.12	015A14-130263-200001-300000
6	0.24	015A14-1302C8-200001-300000

☑ *Note*

- ◆ ESP = External Static Pressure
- ◆ The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Med-Low) of installed indoor units.

INDOOR UNITS

5 MSP(Middle static pressure) duct

(AVXDUH✶✶✶C✶)

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5-2. Dimensional drawing 57
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5-4. Electrical wiring diagram 60
5-5. Sound pressure level 61
5-6. Recommended operation range 62

5 MSP(Middle static pressure) duct

5-1. Specifications

1) Technical specifications

Model				AVXDUH100CE	AVXDUH110CE	AVXDUH145CE
Power Supply			Ø / V/ Hz	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60
Mode 1)			-	HP / HR	HP / HR	HP / HR
Performance	Norminal Capacity	Cooling 2)	Btu/h	30,000	36,000	48,000
			US RT	2.50	3.00	4.00
		Heating 3)	Btu/h	34,000	40,000	54,000
			US RT	2.83	3.33	4.50
	Condensate (with High fan speed)		Liters/h	4.6	4.63	5.1
Power	Input		W	260	275	430
	Running Current		A	1.52	1.57	2.45
Sound Level	Sound Pressure (High/Low) 4)		dB(A)	39 / 33	41 / 36	43 / 40
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Model	-	YSK140-200-4	YSK140-200-4	YDK-370S65023-01
		Type	-	Non Feedback SSR	Non Feedback SSR	Non Feedback SSR
		Output	W	130	130	218
Airflow Rate	Cooling (High)		m^3/min	25.0	27.0	35.0
	Heating (High)			25.0	27.0	35.0
	Cooling (High)		CFM	883	954	1236
	Heating (High)			883	954	1236
	External Static Pressure	Standard(Min.~Max)	mmH_2O	8 (6~10)	8 (6~10)	8 (6~10)
		Standard(Min.~Max)	WG	0.31 (0.24~0.39)	0.31 (0.24~0.39)	0.31 (0.24~0.39)
Refrigerant	Type		-	R410a	R410a	R410a
	Control Method		-	EEV	EEV	EEV
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse
Option Code			-	015224-1F0202-200001-300000	015A24-100244-200001-300000	015A24-130243-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	9.52	9.52	9.52
			Ø,inch	3/8"	3/8"	3/8"
	Gas (Flare)		Ø,mm	15.88	15.88	15.88
			Ø,inch	5/8"	5/8"	5/8"
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
			Ø,inch	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")	VP25 (OD 1 1/4",ID 1")
Weight	Net Weight		kg	46.0	46.0	52.0
			lbs	101.4	101.4	114.6
	Shipping Weight		kg	41.0	46.0	60.0
			lbs	90.4	101.4	132.3
Dimensions	Net Dimensions (W×H×D)		mm	1150 × 320 × 480	1150 × 320 × 480	1200 × 360 × 650
			inch	45 1/4 x 12 5/8 x 18 7/8	45 1/4 x 12 5/8 x 18 7/8	47 1/4 x 14 1/8 x 25 5/8
	Shipping Dimensions (W×H×D)		mm	1390 × 420 × 584	1390 × 420 × 584	1447 × 425 × 769
			inch	54 3/4 x 16 1/2 x 23	54 3/4 x 16 1/2 x 23	57 x 16 3/4 x 30 1/4
Functions	Auto Restart		-	O	O	O
	Auto Swing		-	X	X	X
	Group/Individual Control		-	O	O	O
	External Contact Control		-	O	O	O
	Trouble Shooting by LED		-	X	X	X
Standard Accessories	Installation Manual		-	O	O	O
	Operation Manual		-	O	O	O
	Pattern Sheet for Installation		-	X	X	X
	Flexible Drain Hose		-	O	O	O
	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U
	Duct Receiver Kits	Receiver	-	MRK-A01	MRK-A01	MRK-A01
		Receiver Wire	-	MRW-10A	MRW-10A	MRW-10A
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14
	Drain Pump		-	MSP-M075SGU1	MDP-M075SGU1	MDP-M075SGU2

*1) Mode → HP : Heat Pump, HR : Heat Recovery

*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

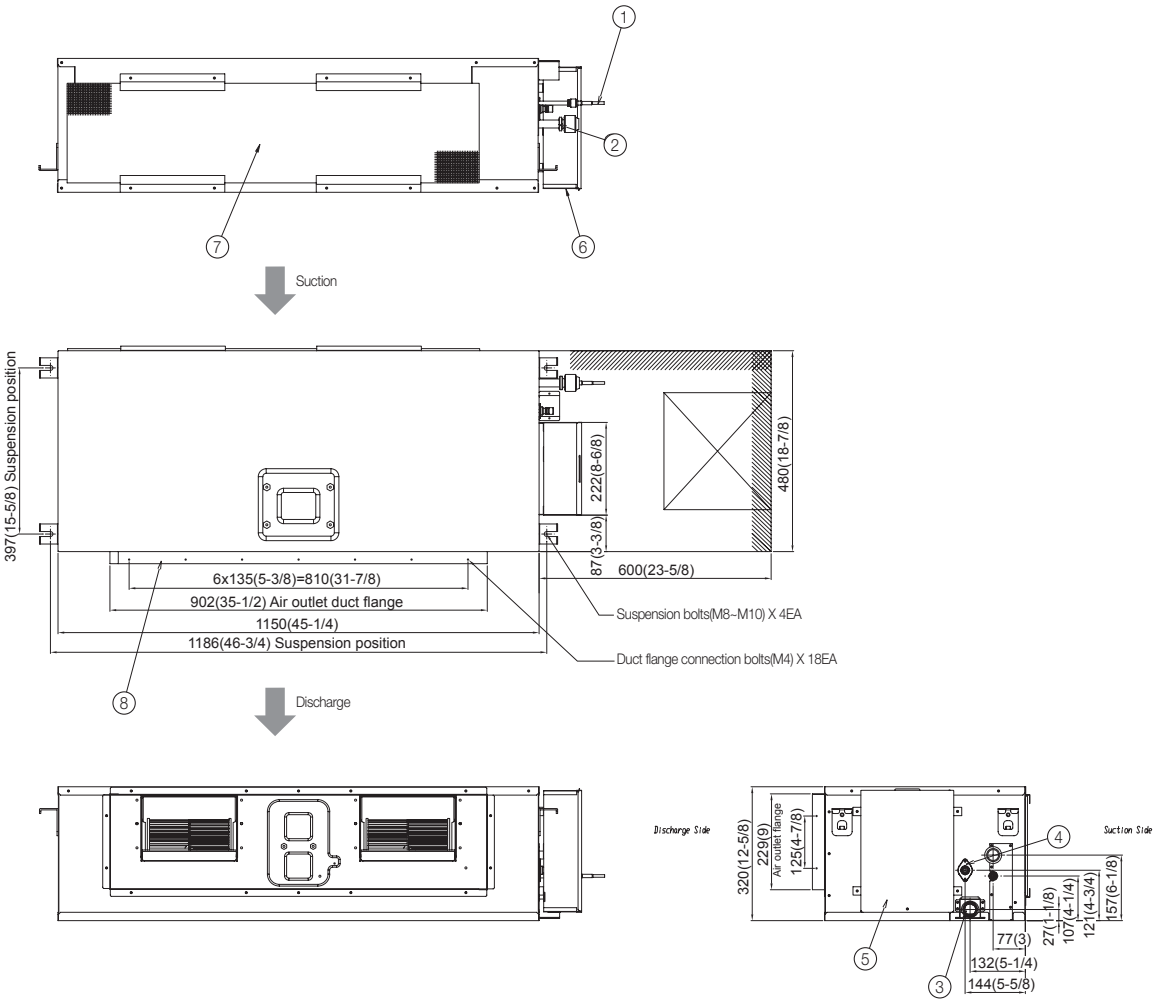
*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

*5) Specifications are subject to change without prior notice for product improvement.

5-2. Dimensional drawing

1) AVXDUH100/110CE

Unit : mm(inch)

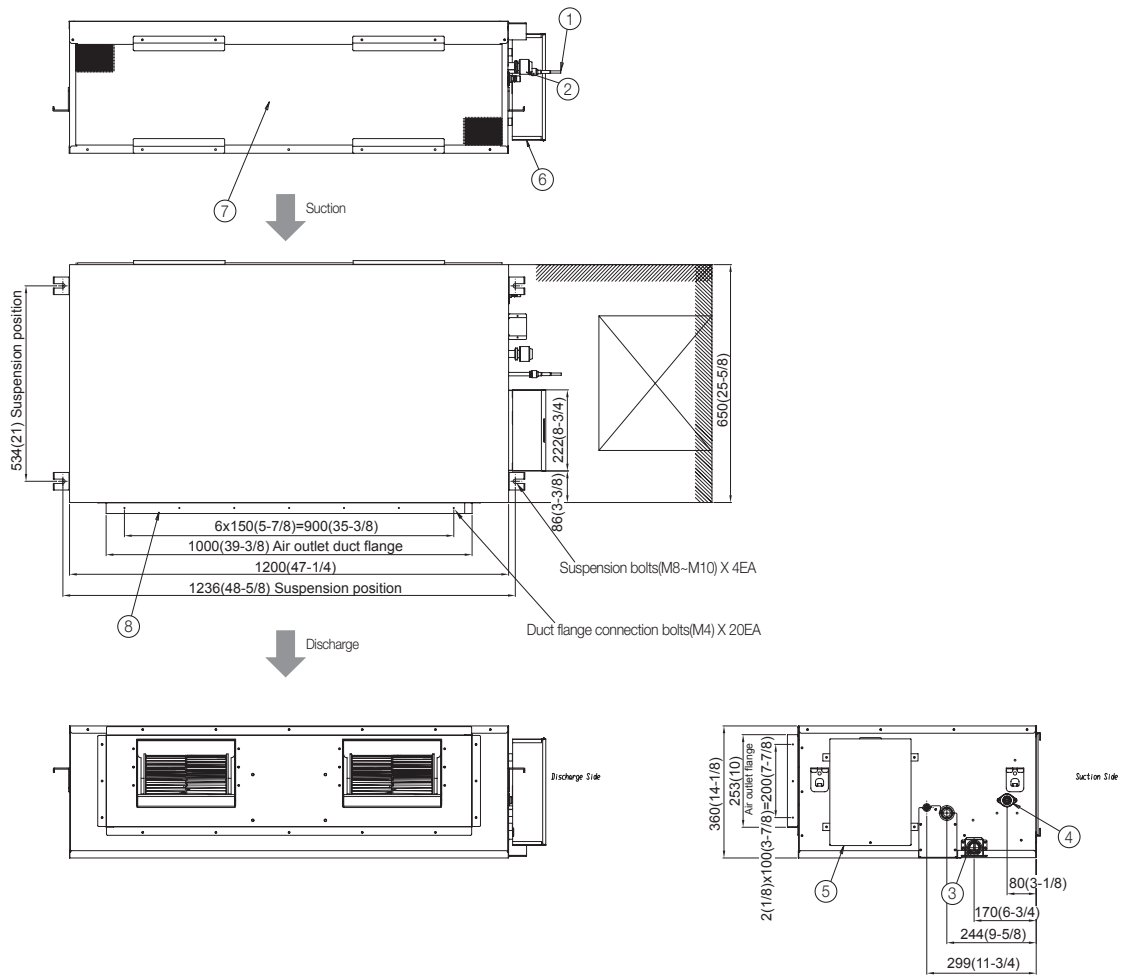


No.	Name	Description	
		30.0 MBH	36.0 MBH
①	Liquid pipe connection	Ø9.52(3/8") Flare	
②	Gas pipe connection	Ø15.88(5/8") Flare	
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")	
④	Drain pipe connection with optional drain pump kits	Quick lock	
⑤	Control unit	-	
⑥	Conduit for power supply & communication wiring	-	
⑦	Return air side	-	
⑧	Air outlet duct flange	-	

5-2. Dimensional drawing

2) AVXDUH145CE

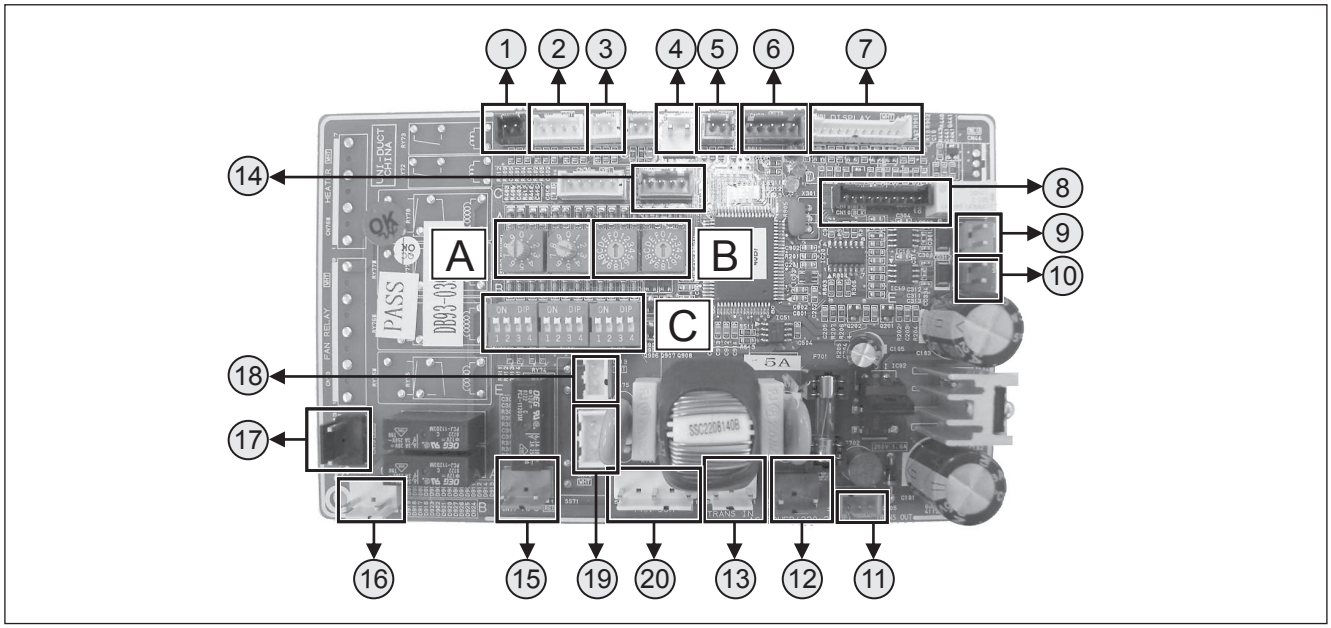
Unit : mm(inch)



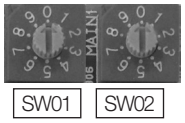
No.	Name	Description
		48.0 MBH
①	Liquid pipe connection	Ø9.52(3/8") Flare
②	Gas pipe connection	Ø15.88(5/8") Flare
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")
④	Drain pipe connection with optional drain pump kits	Quick lock
⑤	Control unit	-
⑥	Conduit for power supply & communication wiring	-
⑦	Return air side	-
⑧	Air outlet duct flange	-

5-3. PCB connector lay-out

1) AVXDUH100/110/145CE



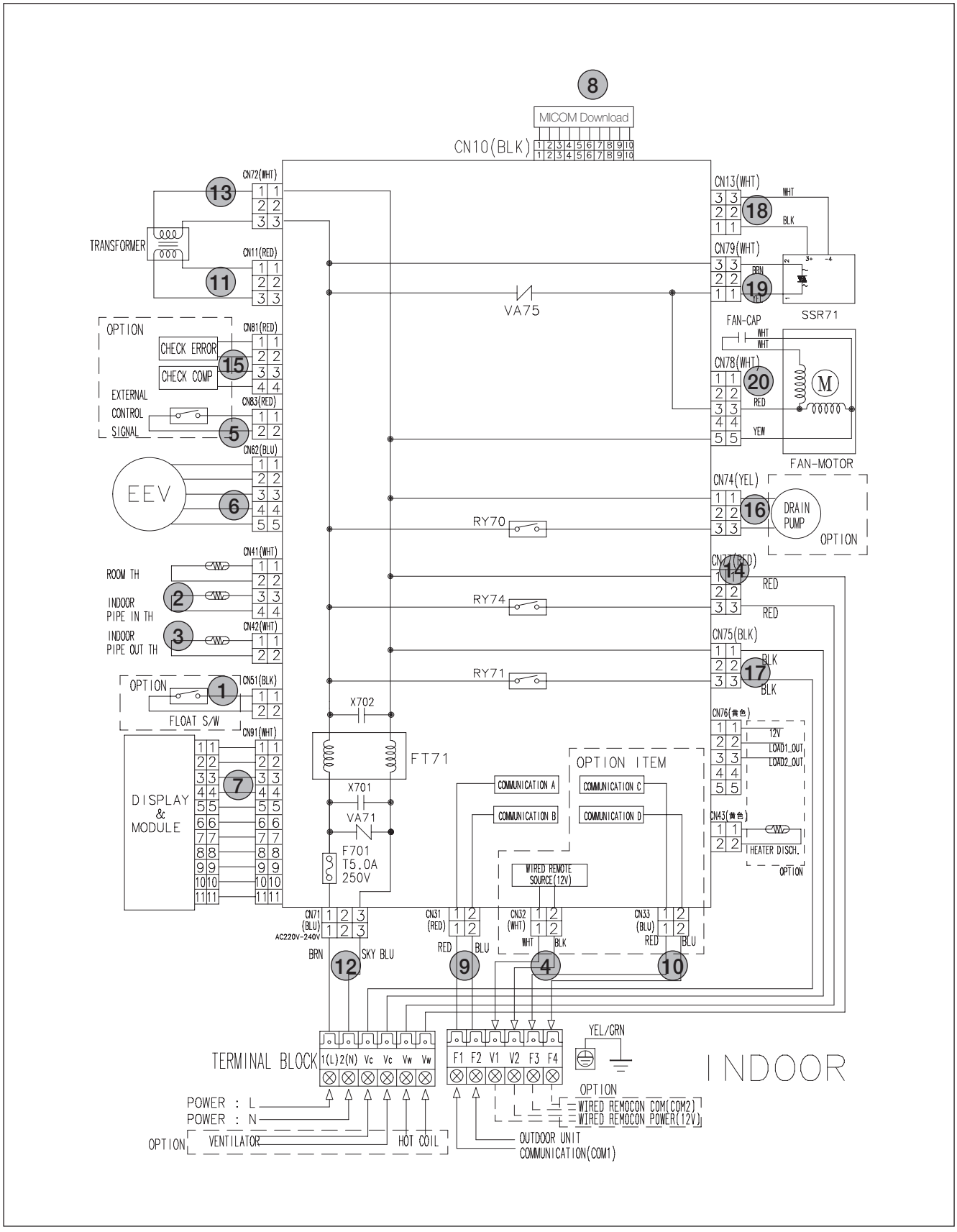
No.	CN #	COLOR	FUNCTION
①	CN51	Black	Float Switch
②	CN41	White	Room Sensor, Eva-In Sensor
③	CN42	White	Eva-Out Sensor
④	CN32	White	DC12V for Wired Remote Controller
⑤	CN83	Red	External Contact Control
⑥	CN62	Blue	EEV
⑦	CN91	White	Display
⑧	CN10	Black	MICOM Download
⑨	CN31	Red	Communication with Outdoor Units (COM1)
⑩	CN33	Blue	Communication with Wired Remote Controller (COM2)
⑪	CN11	Red	Trans-Out (AC 17V)
⑫	CN71	Blue	AC 208~230V Input
⑬	CN72	White	Trans-In (AC 208~230V)
⑭	CN77	Red	Hot Water Coil
⑮	CN81	Red	Error Check, Indoor unit Operation
⑯	CN74	Yellow	Drain Pump
⑰	CN75	Black	Ventilator
⑱	CN13	White	SSR Control Signal
⑲	CN79	White	SSR Power
⑳	CN78	White	Fan Motor

No.	S/W	FUNCTION	
A	 SW01 SW02	Main Address (00~63)	
B	SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	CentralizedController	Not Use	Use
	K3	RPM up	N/A	N/A
	K4	Optional Drain Pump	Not Use	Use
	K5	Heating Thermo-off	+2°C(4°F)	+5°C(9°F)
	K6	Filter Signal Display	1,000Hours	2,000Hours
	K7	Hot Water Coil	Not use	Use
	K8	Electrical Heater	N/A	N/A
	K9	Min.EEV Step at Heating mode	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor unit Display on Wired Remote Controller	Slave (Default)	Master
	K11	External Contact Control	Not Use	Use
	K12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

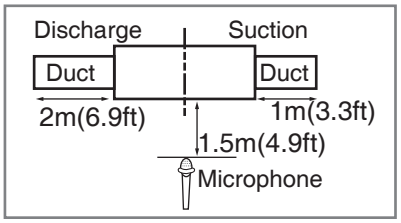
5-4. Electrical wiring diagram

1) AVXDUH100/110/145CE



5-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

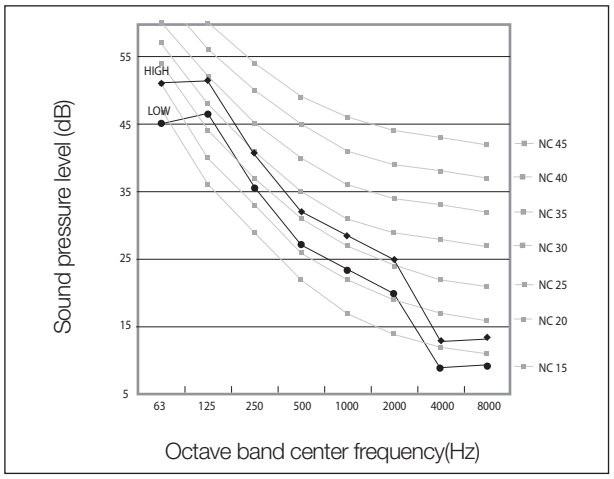
Model	High	Low
AVXDUH100CE	39	33
AVXDUH110CE	41	36
AVXDUH145CE	43	40

☑ *Note*

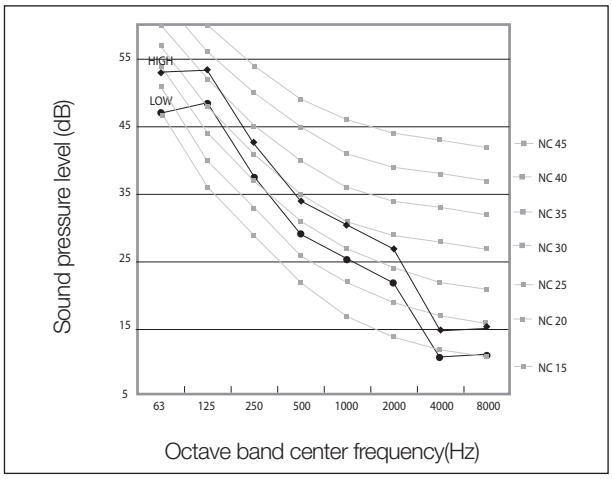
- ◆ These operation values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

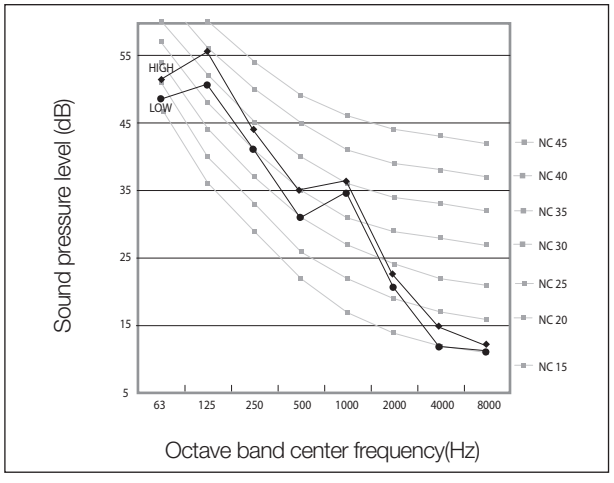
(1) AVXDUH100CE



(2) AVXDUH110CE

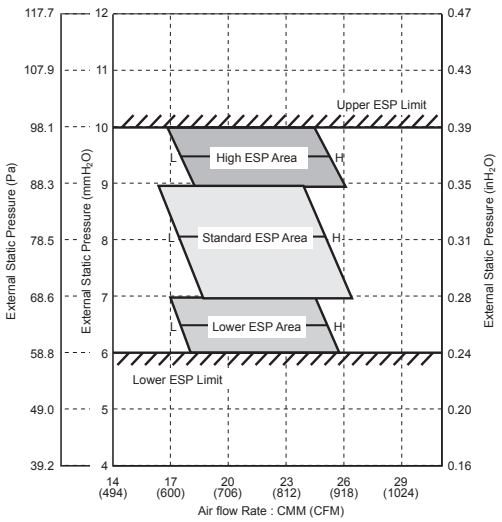


(3) AVXDUH145CE



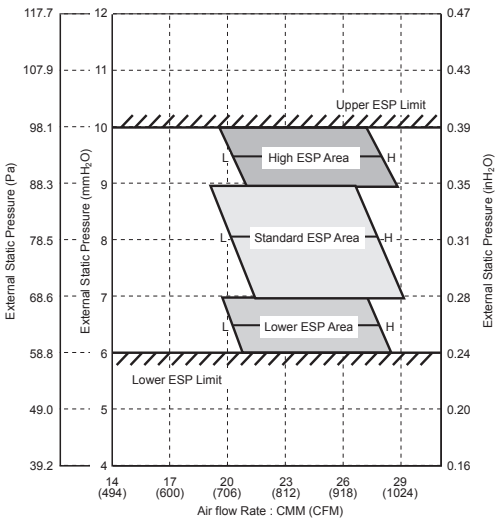
5-6. Recommended operation range

(1) AVXDUH100CE



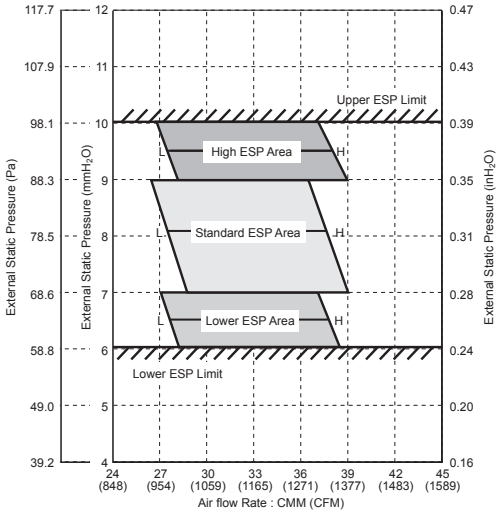
External Static Pressure		Option code
mmAq	WG	
6	0.24	015223-1F018F-200001-300000
8	0.31	015224-1F0202-200001-300000
10	0.39	015224-1F02CC-200001-300000

(2) AVXDUH110CE



External Static Pressure		Option code
mmAq	WG	
6	0.24	015A23-1001CF-200001-300000
8	0.31	015A24-100244-200001-300000
10	0.39	015A24-1003F0-200001-300000

(3) AVXDUH145CE



External Static Pressure		Option code
mmAq	WG	
6	0.24	015A24-130201-200001-300000
8	0.31	015A24-130243-200001-300000
10	0.39	015A24-130267-200001-300000

☑ *Note*

- ◆ ESP = External Static Pressure
- ◆ The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Med-Low) of installed indoor units.

6 Neo Forte

(AVXWNH✳✳✳C✳)

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6-4. Electrical wiring diagram 68
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6-1. Specifications

1) Technical specifications

Model				AVXWNH020CE	AVXWNH032CE	AVXWNH040CE	AVXWNH052CE	AVXWNH060CE
Power Supply			Ø / V/ Hz	1/ 208~230/ 60	1/ 220~240/ 50	1/ 220~240/ 50	1/ 220~240/ 50	1/ 220~240/ 50
Mode [1]			-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Norminal Capacity	Cooling [2]	Btu/h	6,000	9,500	12,000	18,000	20,000
			US RT	0.50	0.79	1.00	1.50	1.67
		Heating [3]	Btu/h	7,000	10,500	13,500	20,000	23,000
			US RT	0.58	0.88	1.13	1.67	1.92
	Condensate (with High fan speed)		Liters/h	1.12	1.44	1.91	2.87	3.51
Power	Input		W	25	25	30	45	50
	Running Current		A	0.16	0.16	0.18	0.27	0.30
Sound Level	Sound Pressure (High/Low) [4]		dB(A)	32 / 21	32 / 23	36 / 23	40 / 30	41 / 30
Fan	Type		-	Crossflow fan	Crossflow fan	Crossflow fan	Crossflow fan	Crossflow fan
	Motor	Model	-	YDK-016S41408-01	YDK-016S41408-01	YDK-016S41408-01	YDK-045S42213-02	YDK-045S42213-02
		Type	-	Feedback SSR	Feedback SSR	Feedback SSR	Feedback SSR	Feedback SSR
		Output	W	23	23	23	40	40
Airflow Rate	Cooling (High)		m^3/min	7.8	7.8	9.3	12.0	14.0
	Heating (High)			8.2	8.2	9.5	13.0	15.0
	Cooling (High)		CFM	275	275	328	424	494
	Heating (High)			290	290	336	459	530
Refrigerant	Type		-	R410a	R410a	R410a	R410a	R410a
	Control Method		-	EEV (optional)	EEV (optional)	EEV (optional)	EEV (optional)	EEV (optional)
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse	Fuse	Fuse
Option Code			-	027602-1120FA-200001-300000	027602-1320FA-200001-300000	027602-15224D-200001-300000	026602-1A226F-200001-300000	026602-1C228F-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35	6.35
			Ø,inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas (Flare)		Ø,mm	12.70	12.70	12.70	12.70	12.70
			Ø,inch	1/2"	1/2"	1/2"	1/2"	1/2"
	Drain		Ø,mm	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose
			Ø,inch	ID 11/16" hose	ID 11/16" hose	ID 11/16" hose	ID 11/16" hose	ID 11/16" hose
Weight	Net Weight		kg	7.8	7.8	7.8	13.0	13.0
			lbs	17.2	17.2	17.2	28.7	28.7
	Shipping Weight		kg	9.4	9.4	9.4	16.0	16.0
			lbs	20.7	20.7	20.7	35.3	35.3
Dimensions	Net Dimensions (W×H×D)		mm	825 × 285 × 189	825 × 285 × 189	825 × 285 × 189	1065 × 298 × 218	1065 × 298 × 218
			inch	32 1/2 x 11 1/4 x 7 1/2	32 1/2 x 11 1/4 x 7 1/2	32 1/2 x 11 1/4 x 7 1/2	41 7/8 x 11 3/4 x 8 5/8	41 7/8 x 11 3/4 x 8 5/8
	Shipping Dimensions (W×H×D)		mm	900 × 349 × 252	900 × 349 × 252	900 × 349 × 252	1137 × 377 × 299	1137 × 377 × 299
			inch	35 3/8 x 13 3/4 x 9 7/8	35 3/8 x 13 3/4 x 9 7/8	35 3/8 x 13 3/4 x 9 7/8	44 3/4 x 14 7/8 x 11 3/4	44 3/4 x 14 7/8 x 11 3/4
Functions	Auto Restart		-	O	O	O	O	O
	Auto Swing		-	O	O	O	O	O
	Group/Individual Control		-	O	O	O	O	O
	External Contact Control		-	O	O	O	O	O
	Trouble Shooting by LED		-	O	O	O	O	O
Standard Accessories	Installation Manual		-	O	O	O	O	O
	Operation Manual		-	O	O	O	O	O
	Pattern Sheet for Installation		-	X	X	X	X	X
	Flexible Drain Hose		-	O	O	O	O	O
	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)
	Wireless Remote Controller		-	ARH-1412	ARH-1412	ARH-1412	ARH-1412	ARH-1412
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14	MIM-B14	MIM-B14
	EEV Kits		-	MXD, MEV Series	MXD, MEV Series	MXD, MEV Series	MXD, MEV Series	MXD, MEV Series

*1) Mode → HP : Heat Pump, HR : Heat Recovery

*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

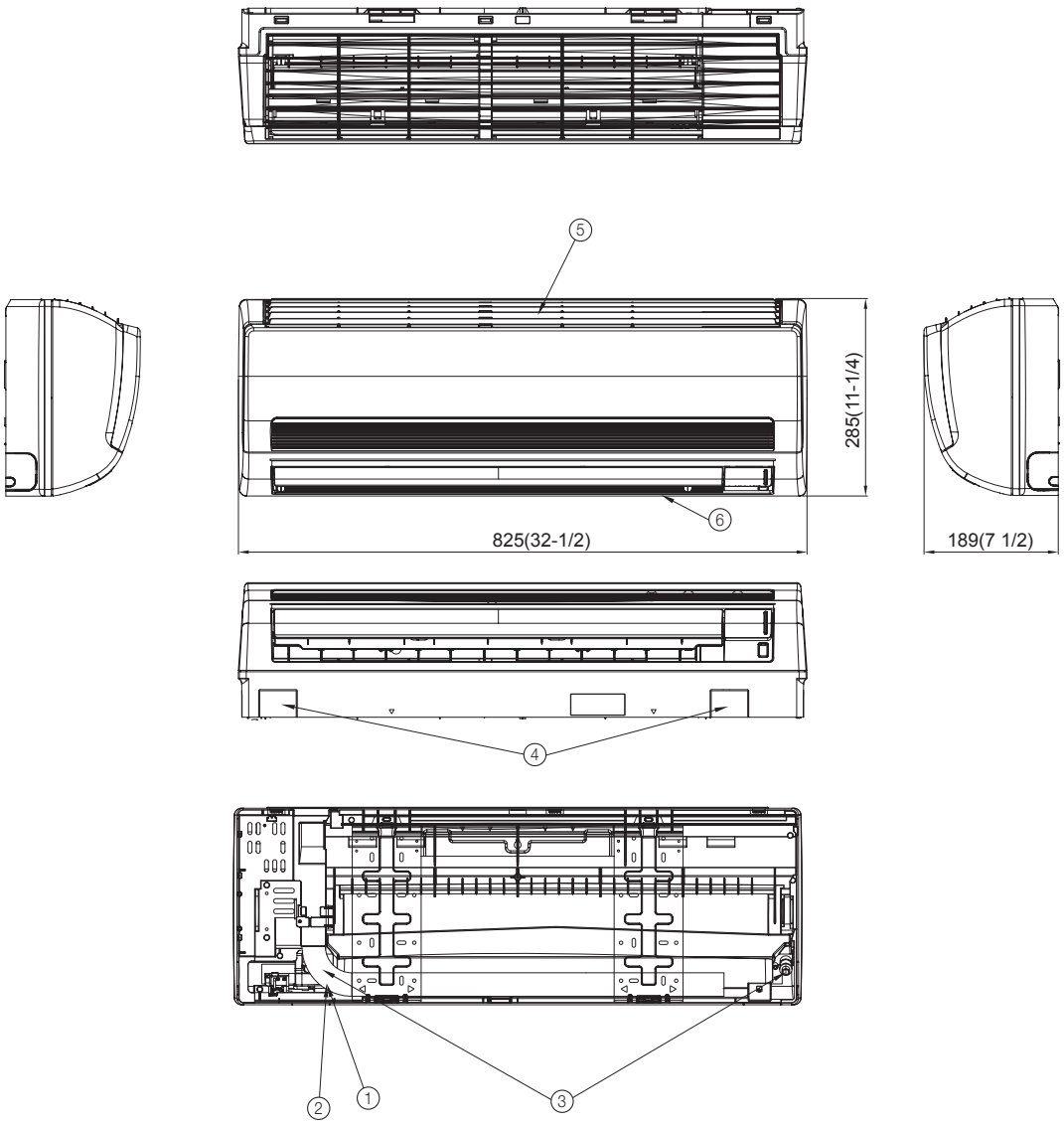
*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

*5) Specifications are subject to change without prior notice for product improvement.

6-2. Dimensional drawing

1) AVXWNH020/032/040CE

Unit:mm(inch)

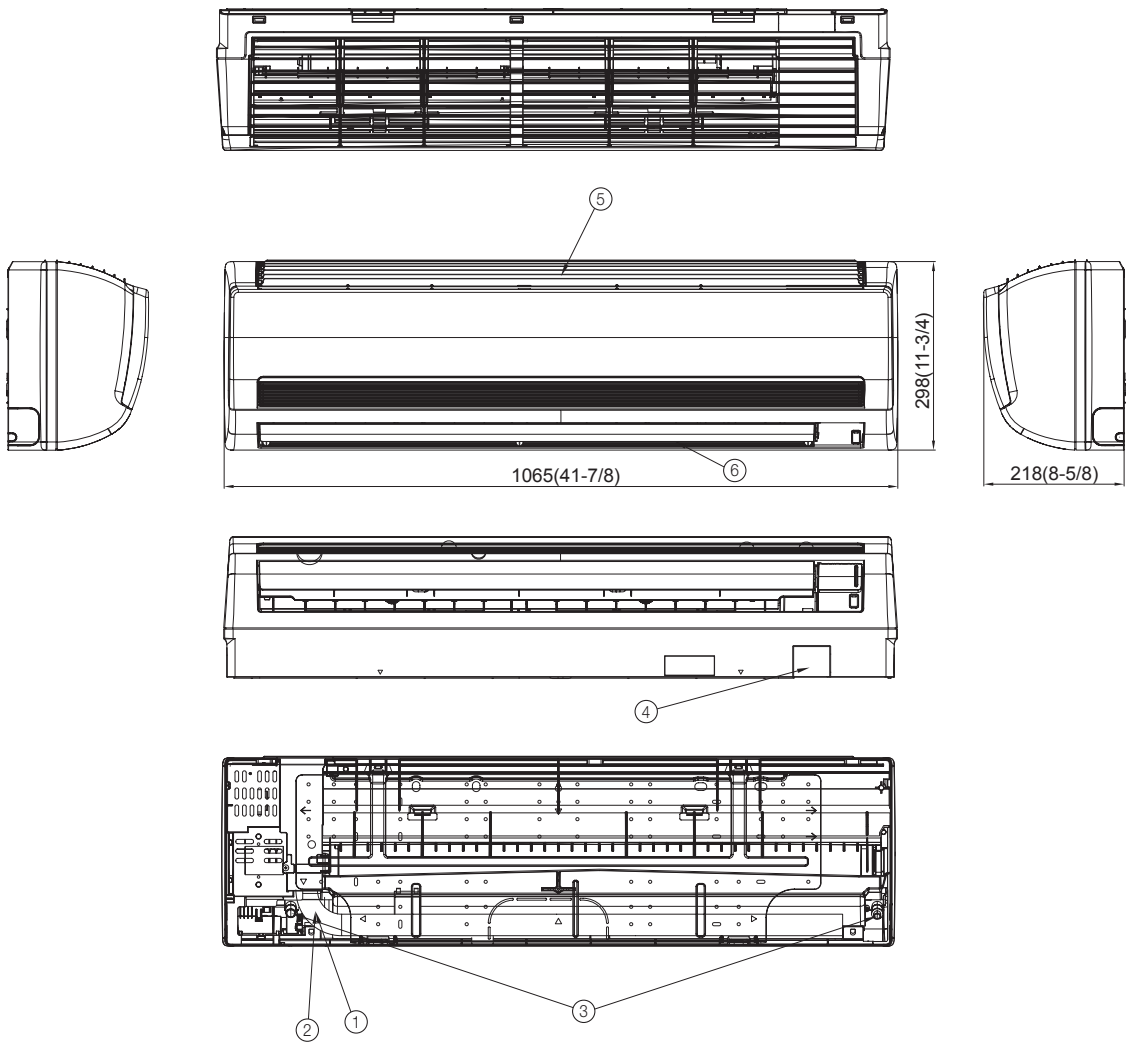


No.	Name	Description		
		6.0 MBH	9.5 MBH	12.0 MBH
①	Liquid pipe connection	Ø6.35 (1/4") Flare		
②	Gas pipe connection	Ø12.70 (1/2") Flare		
③	Drain pipe connection	ID 18 hose / ID 11/16" hose		
④	Conduit for power supply & communication wiring	-		
⑤	Air inlet grille	-		
⑥	Air outlet louver	-		

6-2. Dimensional drawing

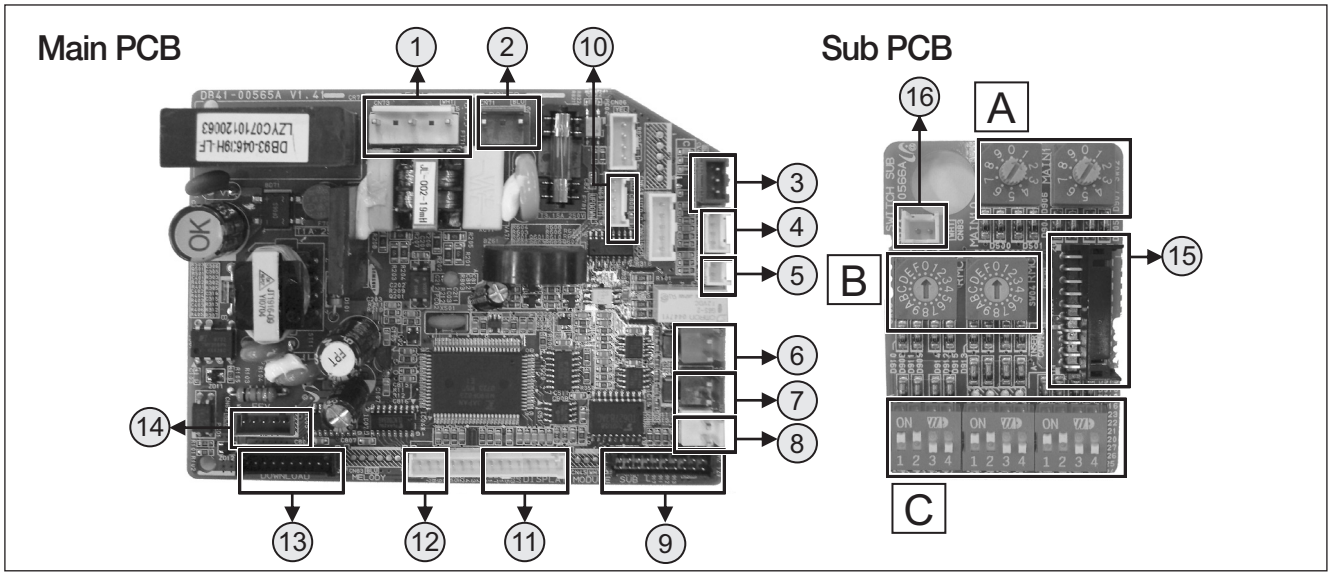
2) AVXWNH052/060CE

Unit : mm(inch)



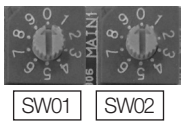
No.	Name	Description	
		18.0 MBH	20.0 MBH
①	Liquid pipe connection	Ø6.35 (1/4") Flare	
②	Gas pipe connection	Ø12.70 (1/2") Flare	
③	Drain pipe connection	ID 18 hose / ID 11/16" hose	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	

6-3. PCB connector lay-out



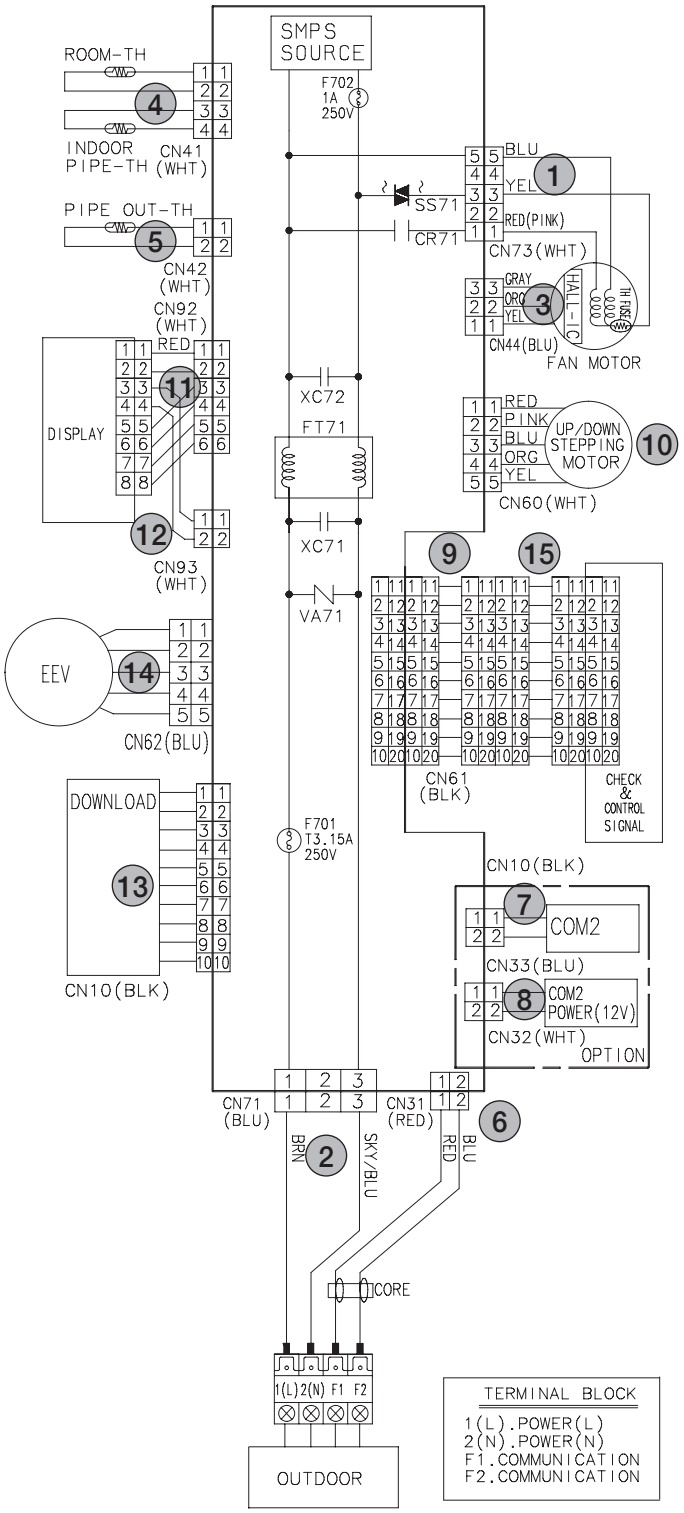
Main PCB			
No.	CN #	COLOR	FUNCTION
①	CN73	White	Fan Motor
②	CN71	Blue	AC 208~230V Input
③	CN44	Blue	Hall IC
④	CN41	White	Eva-Out Sensor
⑤	CN42	White	Communication with Outdoor Units (COM1)
⑥	CN31	Red	Communication with Wired Remote Controller (COM2)
⑦	CN33	Bllue	DC12V for Wired remote controller
⑧	CN32	White	Main-Sub PCB connector
⑨	CN61	Black	Main-Sub PCB connector
⑩	CN60	White	Up&Down Stepping Motor
⑪	CN92	White	Display
⑫	CN93	White	Display
⑬	CN10	Black	MICOM Download
⑭	CN62	Blue	EEV

Sub PCB			
No.	CN #	COLOR	FUNCTION
⑮	CN61	Black	Main-Sub PCB Connector
⑯	CN83	White	External Contact Control

No.	S/W	FUNCTION	
A	 SW01 SW02	Main Address Setting (00~63)	
B	SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

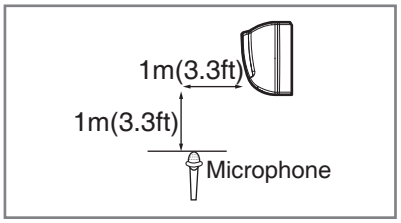
No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	Centralized Controller	Not use	Use
	K3	RPM Up	N/A	N/A
	K4	Optional Drain Pump	N/A	N/A
	K5	Heating Thermo-off	+2°C(4°F)	+5°C(9°F)
	K6	Filter Signal Display	1,000hrs	2,000hrs
	K7	Hot Water Coil	N/A	N/A
	K8	Electrical Heater	N/A	N/A
	K9	Min. EEV Step at Heating	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor unit Display on Wired Remote Controller	Slave (Default)	Master
	K11	External Contact Control	Not use	Use
	K12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

6-4. Electrical wiring diagram



6-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

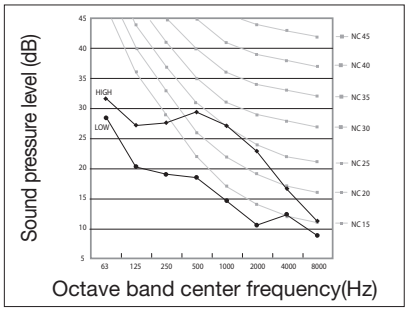
Model	High	Low
AVXWNH020CE	32	21
AVXWNH032CE	32	23
AVXWNH040CE	36	23
AVXWNH052CE	40	30
AVXWNH060CE	41	30

☑ *Note*

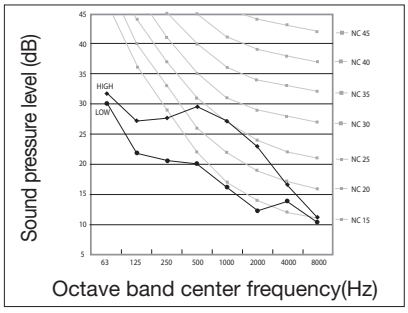
- ◆ These operation values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

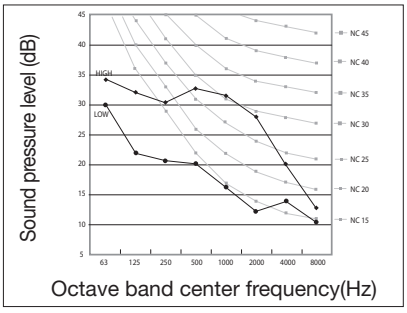
(1) AVXWNH020CE



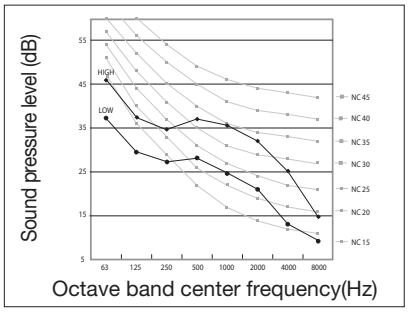
(2)AVXWNH032CE



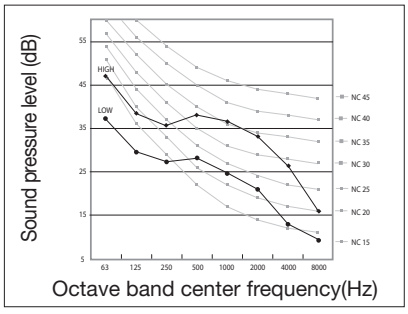
(3) AVXWNH040CE



(4) AVXWNH052CE



(5) AVXWNH060CE

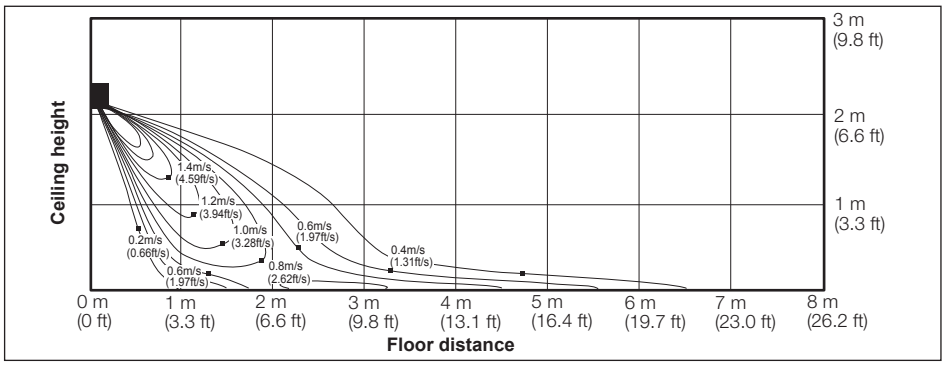


6-6. Temperature and air flow distribution

AVXWNH040CE

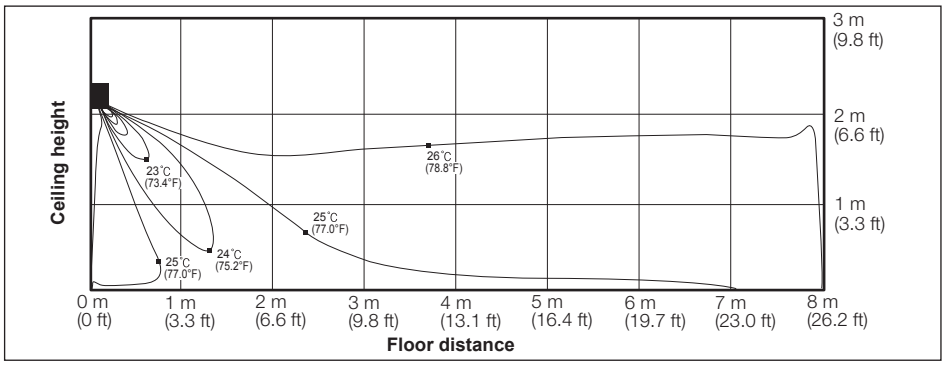
1) Cooling air velocity distribution

◆ Discharge angle : 60°



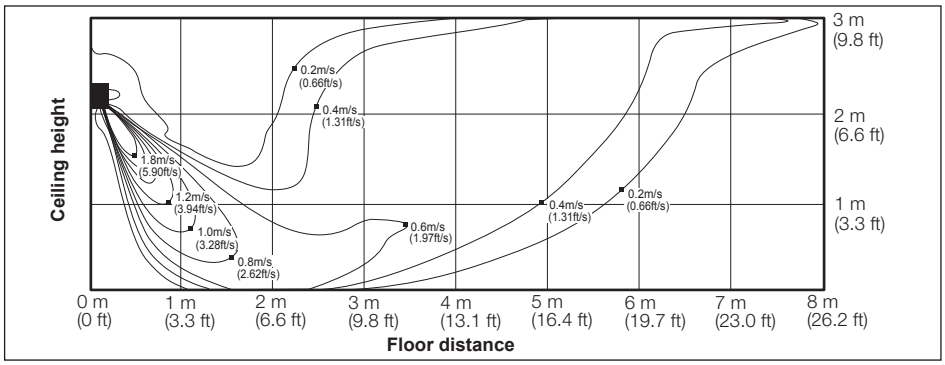
2) Cooling temperature distribution

◆ Discharge angle : 60°



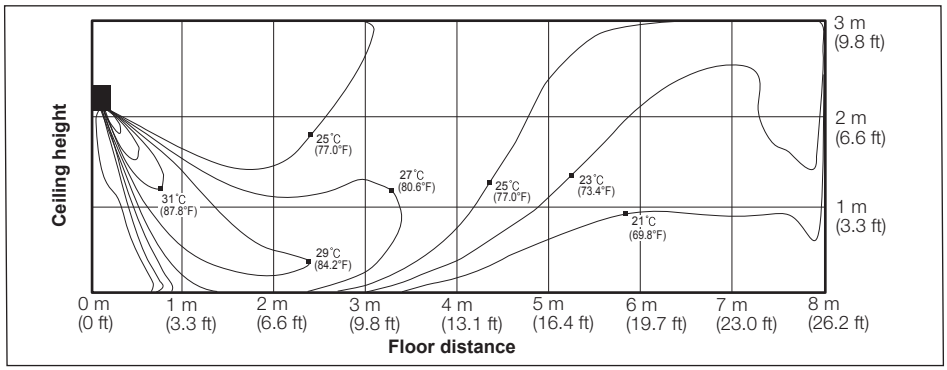
3) Heating air velocity distribution

◆ Discharge angle : 60°



4) Heating temperature distribution

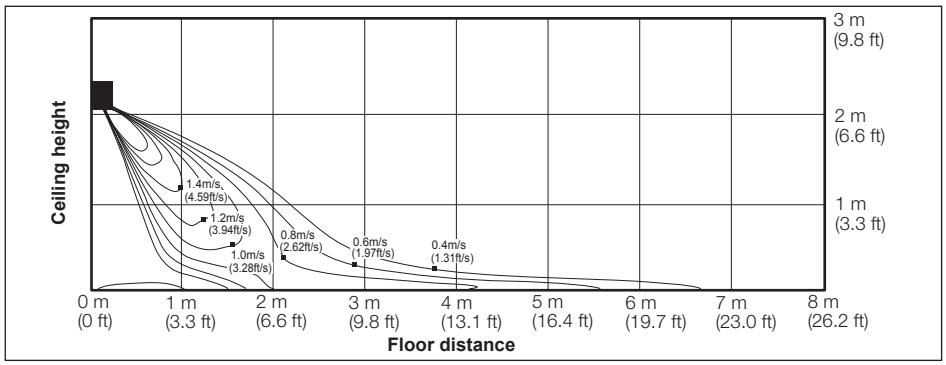
◆ Discharge angle : 60°



AVXWNH060CE

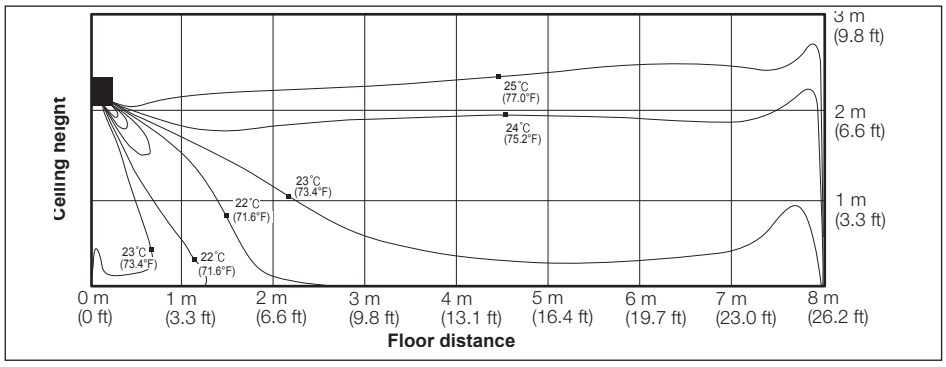
1) Cooling air velocity distribution

◆ Discharge angle : 60°



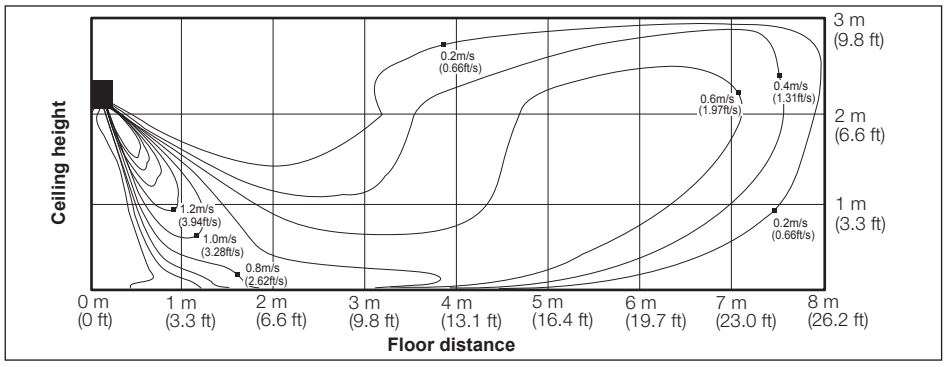
2) Cooling temperature distribution

◆ Discharge angle : 60°



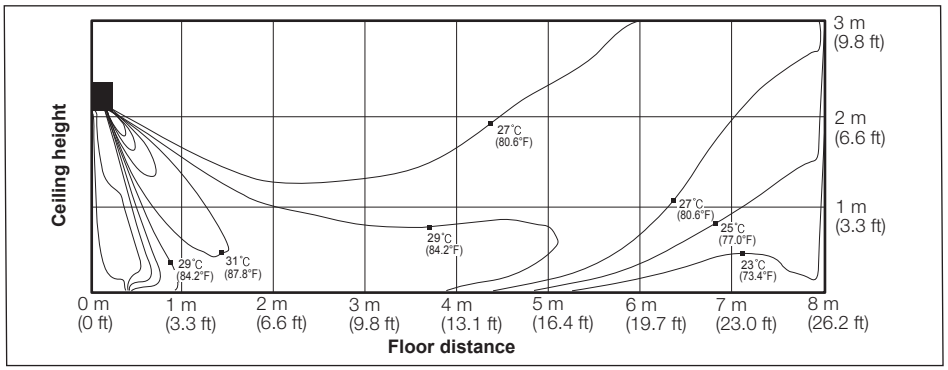
3) Heating air velocity distribution

◆ Discharge angle : 60°



4) Heating temperature distribution

◆ Discharge angle : 60°



INDOOR UNITS

7 Vivace

(AVXWVH✶✶✶C✶)

7-1. Specifications 74
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7-3. PCB connector lay-out 77
7-4. Electrical wiring diagram 78
7-5. Sound pressure level 79
7-6. Temperature and air flow distribution 80

7-1. Specifications

1) Technical specifications

Model				AVXWVH020CE	AVXWVH032CE	AVXWVH040CE	AVXWVH052CE	AVXWVH060CE
Power Supply			Ø / V/ Hz	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60	1/ 208~230/ 60
Mode [1]			-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Norminal Capacity	Cooling [2]	Btu/h	6,000	9,500	12,000	18,000	20,000
			US RT	0.50	0.79	1.00	1.50	1.67
		Heating [3]	Btu/h	7,000	10,500	13,500	20,000	23,000
			US RT	0.58	0.88	1.13	1.67	1.92
	Condensate (with High fan speed)		Liters/h	1.12	1.44	1.91	3.03	3.51
Power	Input		W	30	30	35	50	50
	Running Current		A	0.13	0.18	0.19	0.30	0.30
Sound Level	Sound Pressure (High/Low) [4]		dB(A)	31 / 21	31 / 21	35 / 21	40 / 30	41 / 30
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor	Model	-	YDK-016S1408-01	YDK-016S1408-01	YDK-016S1408-01	YDK-045S42213-02	YDK-045S42213-02
		Type	-	Feedback SSR	Feedback SSR	Feedback SSR	Feedback SSR	Feedback SSR
		Output	W	23	23	23	42	42
Airflow Rate	Cooling (High)		m^3/min	7.0	7.0	8.2	13.3	13.3
	Heating (High)			7.3	7.3	8.8	14.0	14.0
	Cooling (High)		CFM	247	247	290	470	470
	Heating (High)			258	258	311	494	494
Refrigerant	Type		-	R410a	R410a	R410a	R410a	R410a
	Control Method		-	EEV (optional)	EEV (optional)	EEV (optional)	EEV (optional)	EEV (optional)
Temperature Control			-	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors	Micom&Thermistors
Safety Devices			-	Fuse	Fuse	Fuse	Fuse	Fuse
Option Code			-	004602-1120E7-200001-300000	004602-1320E7-200001-300000	007602-15221A-200001-300000	005606-1A225E-200001-300000	005606-1C2371-200001-300000
Piping Connections	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35	6.35
			Ø,inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas (Flare)		Ø,mm	12.70	12.70	12.70	12.70	12.70
			Ø,inch	1/2"	1/2"	1/2"	1/2"	1/2"
	Drain		Ø,mm	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose
			Ø,inch	ID 11/16" hose	ID 11/16" hose	ID 11/16" hose	ID 11/16" hose	ID 11/16" hose
Weight	Net Weight		kg	8.5	8.5	8.5	12.0	12.0
			lbs	18.7	18.7	18.7	26.5	26.5
	Shipping Weight		kg	11.5	11.5	11.5	15.0	15.0
			lbs	25.4	25.4	25.4	33.1	33.1
Dimensions	Net Dimensions (W×H×D)		mm	825 × 285 × 189	825 × 285 × 189	825 × 285 × 189	1065 × 298 × 218	1065 × 298 × 218
			inch	32 1/2 x 11 1/4 x 7 1/2	32 1/2 x 11 1/4 x 7 1/2	32 1/2 x 11 1/4 x 7 1/2	41 7/8 x 11 3/4 x 8 5/8	41 7/8 x 11 3/4 x 8 5/8
	Shipping Dimensions (W×H×D)		mm	900 × 349 × 252	900 × 349 × 252	900 × 349 × 252	1137 × 377 × 299	1137 × 377 × 299
			inch	35 3/8 x 13 3/4 x 9 7/8	35 3/8 x 13 3/4 x 9 7/8	35 3/8 x 13 3/4 x 9 7/8	44 3/4 x 14 7/8 x 11 3/4	44 3/4 x 14 7/8 x 11 3/4
Functions	Auto Restart		-	O	O	O	O	O
	Auto Swing		-	O	O	O	O	O
	Group/Individual Control		-	O	O	O	O	O
	External Contact Control		-	O	O	O	O	O
	Trouble Shooting by LED		-	O	O	O	O	O
Standard Accessories	Installation Manual		-	O	O	O	O	O
	Operation Manual		-	O	O	O	O	O
	Pattern Sheet for Installation		-	X	X	X	X	X
	Flexible Drain Hose		-	O	O	O	O	O
	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)
	Wireless Remote Controller		-	ARH-1388	ARH-1388	ARH-1388	ARH-1388	ARH-1388
Optional Accessories	Wireless Remote Controller		-	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U	MR-BH01U
	Wired Remote Controller	Multi function	-	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00	MWR-WE00
		Standard	-	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00	MWR-WH00
		Simplified	-	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00	MWR-SH00
	External Contact Interface Module		-	MIM-B14	MIM-B14	MIM-B14	MIM-B14	MIM-B14
	EEV Kits		-	MXD, MEV Series	MXD, MEV Series	MXD, MEV Series	MXD, MEV Series	MXD, MEV Series

*1) Mode → HP : Heat Pump, HR : Heat Recovery

*2) Norminal cooling capacities are based on;
→ Indoor temperature : 26.7°C DB, 19.4°C WB(80°F DB, 67°F WB)
→ Outdoor temperature : 35°C DB, 23.9°C WB(90°F DB, 75°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

*3) Norminal heating capacities are based on;
→ Indoor temperature : 21.1°C DB, 15.6°C WB(70°F DB, 60°F WB)
→ Outdoor temperature : 8.3°C DB, 6.1°C WB(47°F DB, 43°F WB), Equivalent refrigerant piping : 7.6m(25ft), Level differences : 0m(0ft)

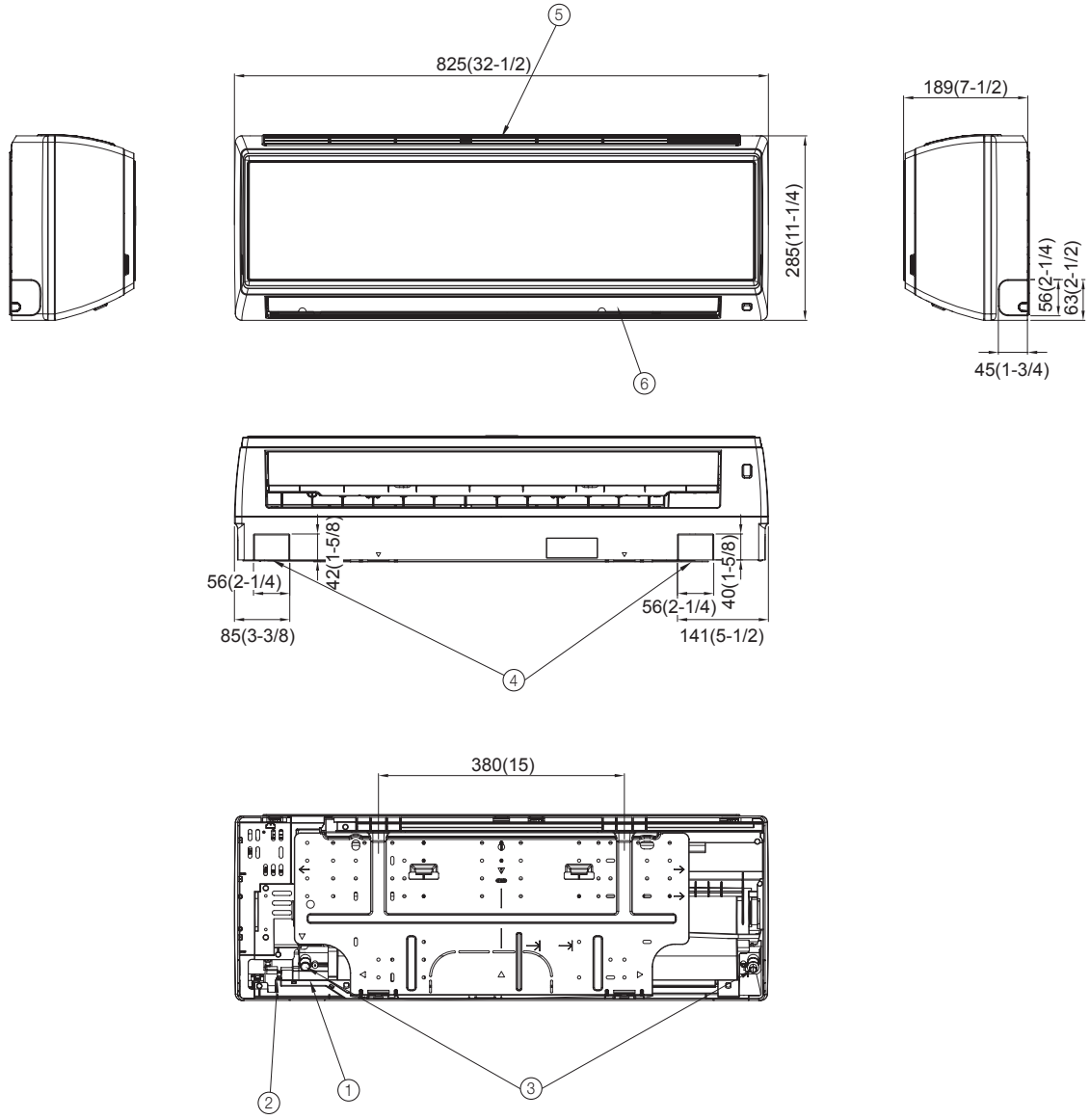
*4) Sound level was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

*5) Specifications are subject to change without prior notice for product improvement.

7-2. Dimensional drawing

1) AVXWVH020/032/040CE

Unit : mm(inch)

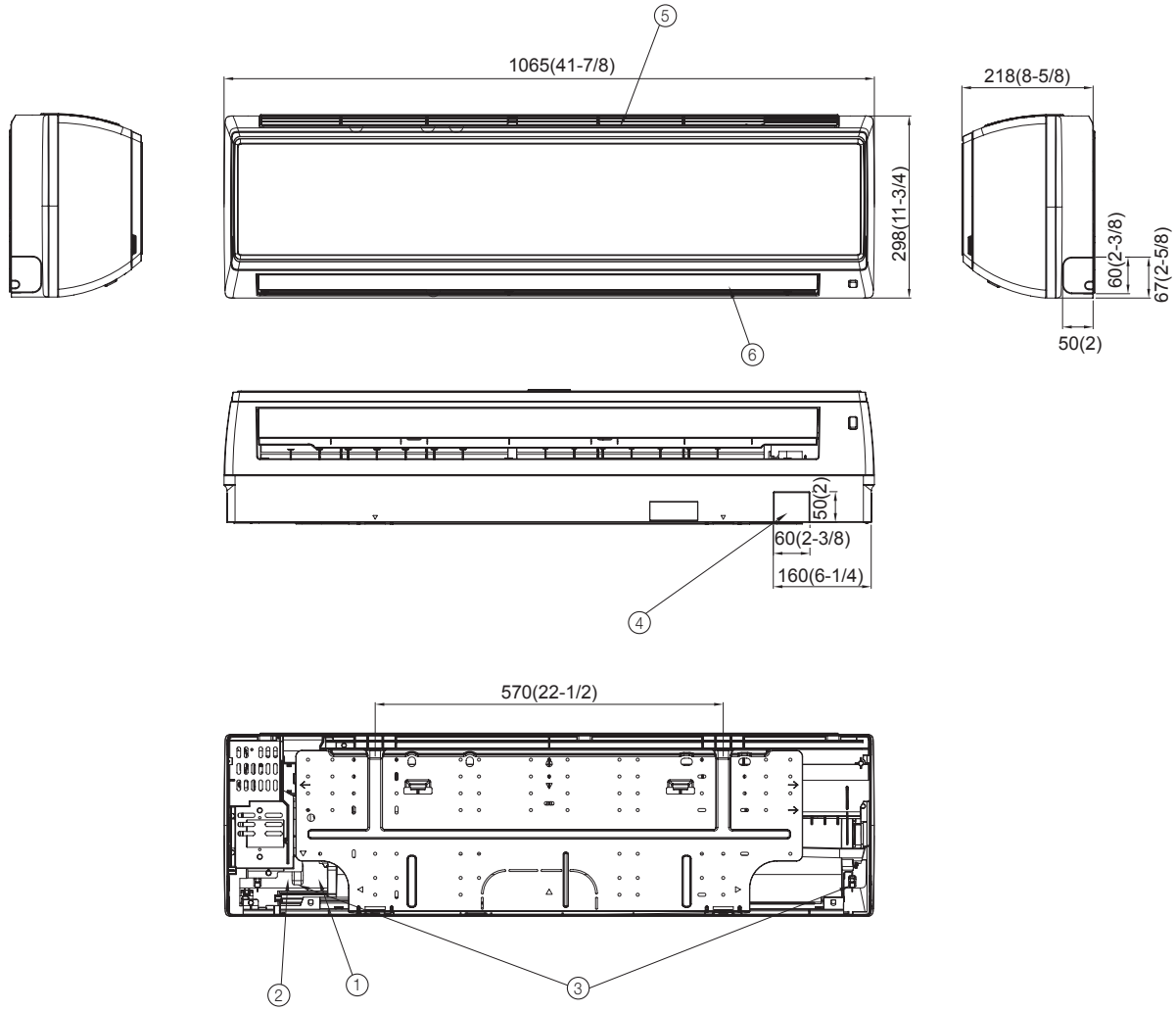


No.	Name	Description		
		6.0 MBH	9.5 MBH	12.0 MBH
①	Liquid pipe connection	Ø6.35 (1/4") Flare		
②	Gas pipe connection	Ø12.70 (1/2") Flare		
③	Drain pipe connection	ID 18 hose / ID 11/16" hose		
④	Conduit for power supply & communication wiring	-		
⑤	Air inlet grille	-		
⑥	Air outlet louver	-		

7-2. Dimensional drawing

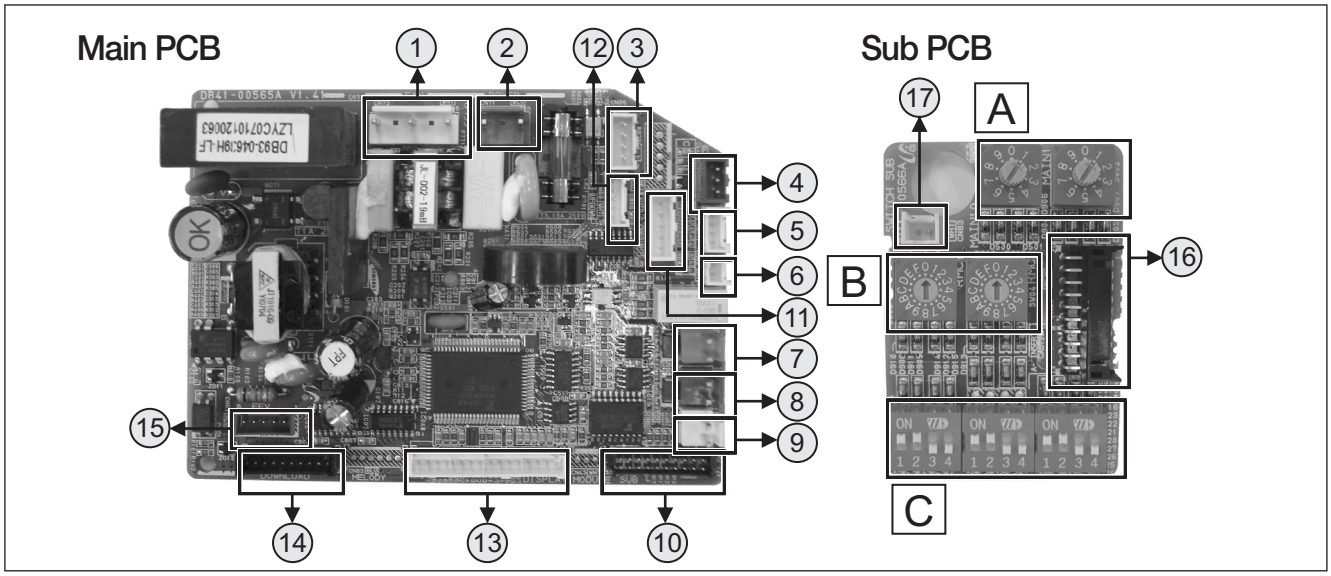
2) AVXWVH052/060CE

Unit : mm(inch)



No.	Name	Description	
		18.0 MBH	20.0 MBH
①	Liquid pipe connection	Ø6.35 (1/4") Flare	
②	Gas pipe connection	Ø12.70 (1/2") Flare	
③	Drain pipe connection	ID 18 hose / ID 11/16" hose	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	

7-3. PCB connector lay-out

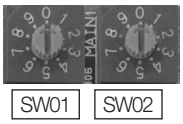
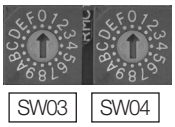


Main PCB

No.	CN #	COLOR	FUNCTION
①	CN71	White	Fan Motor
②	CN71	Blue	AC 208~230V Input
③	CN86	Yellow	MPI
④	CN44	Blue	Hall IC
⑤	CN41	White	Room Sensor, Eva-In Sensor
⑥	CN42	White	Eva-Out Sensor
⑦	CN31	red	Communication with Outdoor Units (COM1)
⑧	CN33	Blue	Communication with Wired Remote Controller (COM2)
⑨	CN32	White	DC 12V for Wired remote controller
⑩	CN61	Black	Main-Sub PCB connector
⑪	CN63	White	Auto Grille Motor
⑫	CN60	White	Up&Down Stepping Motor
⑬	CN91	White	Display, Wireless Remote Controller Button & Module
⑭	CN10	Black	MICOM Download
⑮	CN62	Blue	EEV

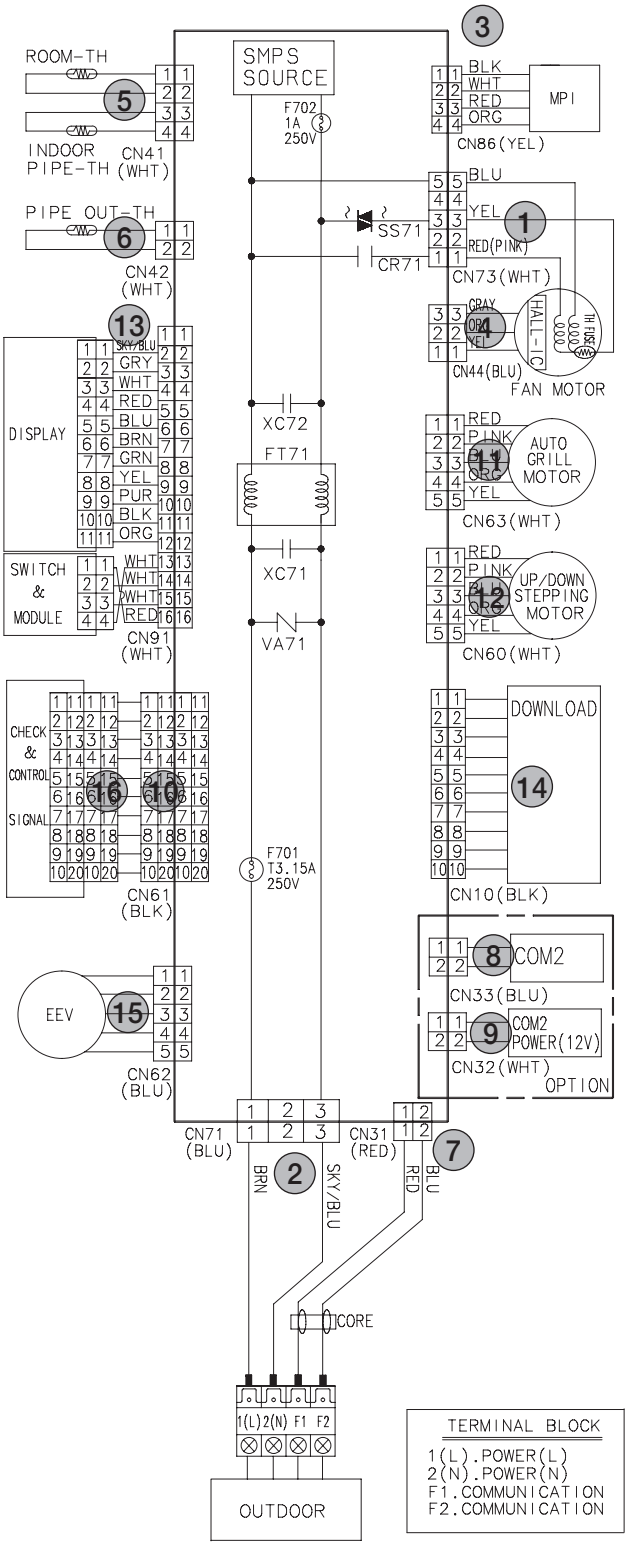
Sub PCB

No.	CN #	COLOR	FUNCTION
⑯	CN61	Black	Main-Sub PCB Connector
⑰	CN83	White	External Contact Control

No.	S/W	FUNCTION	
A	 SW01 SW02	Main Address Setting (00~63)	
B	 SW03 SW04	SW03	SW04
		Address of Interface Module Channel 0~2	Group Address (RMC) for Centralized Control 0~F

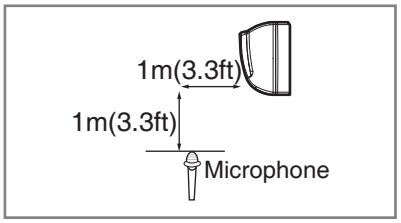
No.	S/W	FUNCTION	ON	OFF
C	K1	External temperature sensor	Not use	Use
	K2	Centralized Controller	Not use	Use
	K3	RPM Up	N/A	N/A
	K4	Optional Drain Pump	N/A	N/A
	K5	Heating Thermo-off	+2°C(4°F)	+5°C(9°F)
	K6	Filter Signal Display	1,000hrs	2,000hrs
	K7	Hot Water Coil	N/A	N/A
	K8	Electrical Heater	N/A	N/A
	K9	Min. EEV Step at Heating	Fixed 80 step	0 or 80 step
	K10	Priority of Indoor unit Display on Wired Remote Controller	Slave (Default)	Master
	K11	External Contact Control	Not use	Use
	K12	Operation Output Signal	Thermo ON/OFF	Operation ON/OFF

7-4. Electrical wiring diagram



7-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

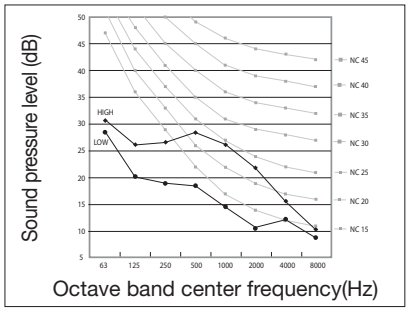
Model	High	Low
AVXWVH020CE	31	21
AVXWVH032CE	31	21
AVXWVH040CE	35	21
AVXWVH052CE	40	30
AVXWVH060CE	41	30

☑ *Note*

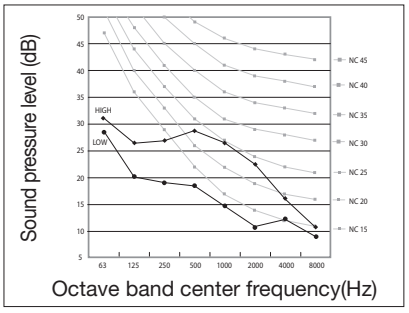
- ◆ These operation values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

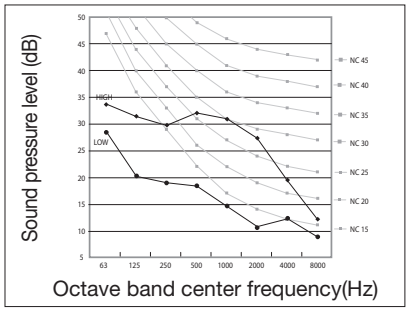
(1) AVXWVH020CE



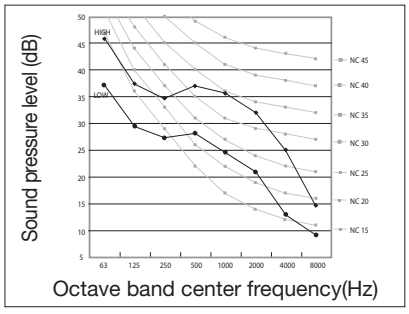
(2) AVXWVH032CE



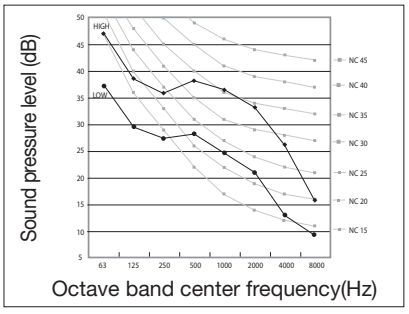
(3) AVXWVH040CE



(4) AVXWVH052CE



(5) AVXWVH060CE

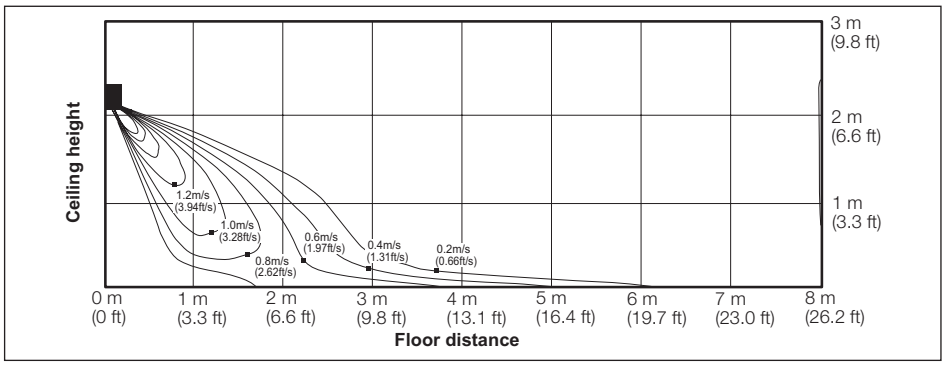


7-6. Temperature and air flow distribution

AVXWVH040CE

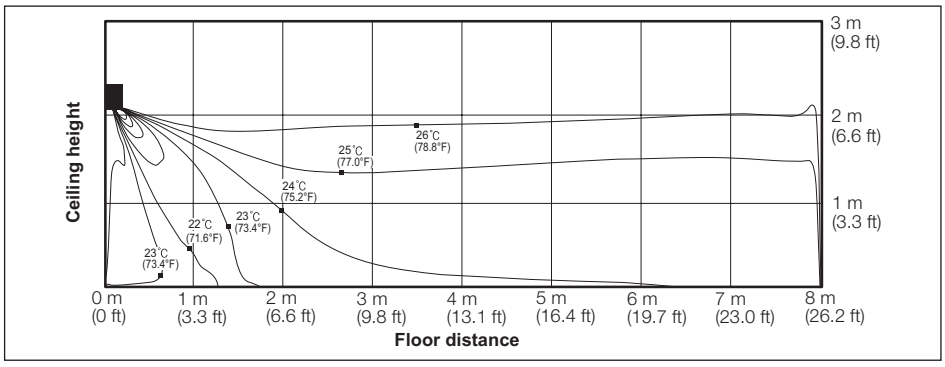
1) Cooling air velocity distribution

◆ Discharge angle : 60°



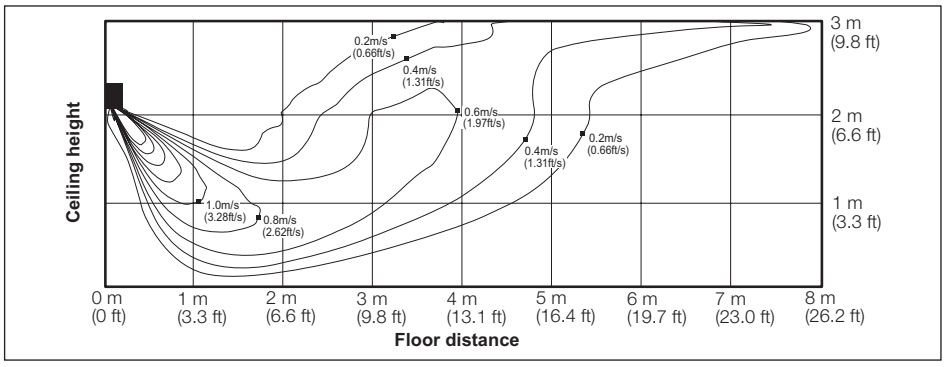
2) Cooling temperature distribution

◆ Discharge angle : 60°



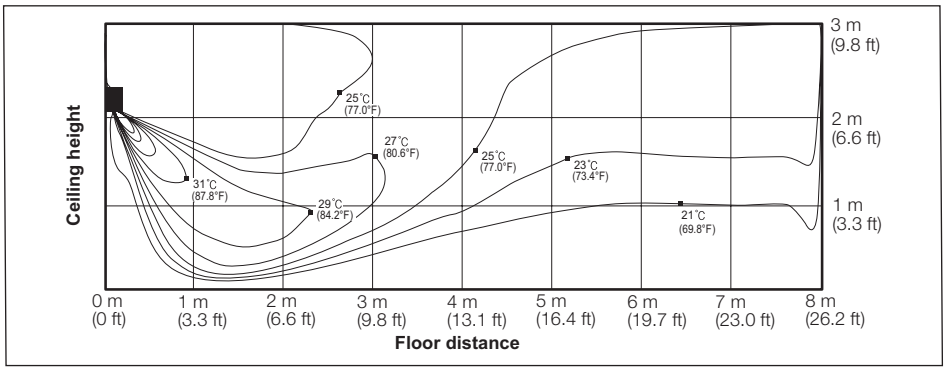
3) Heating air velocity distribution

◆ Discharge angle : 60°



4) Heating temperature distribution

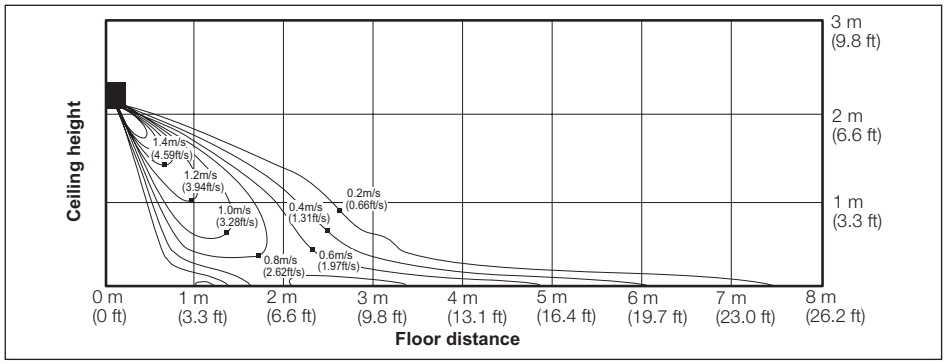
◆ Discharge angle : 60°



AVXWVH060CE

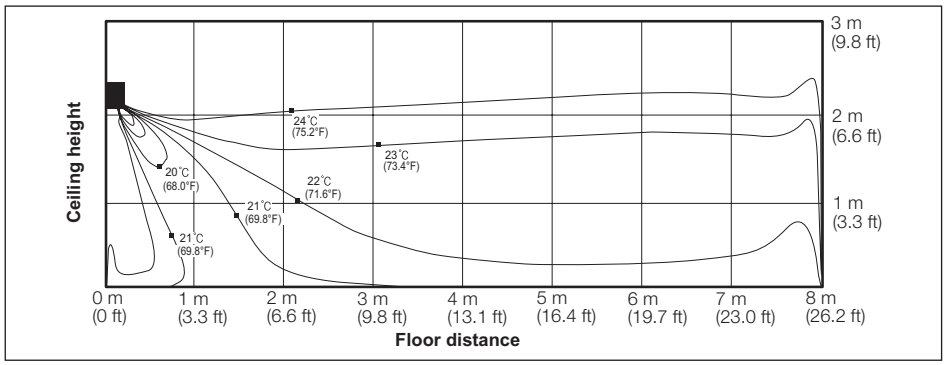
1) Cooling air velocity distribution

◆ Discharge angle : 60°



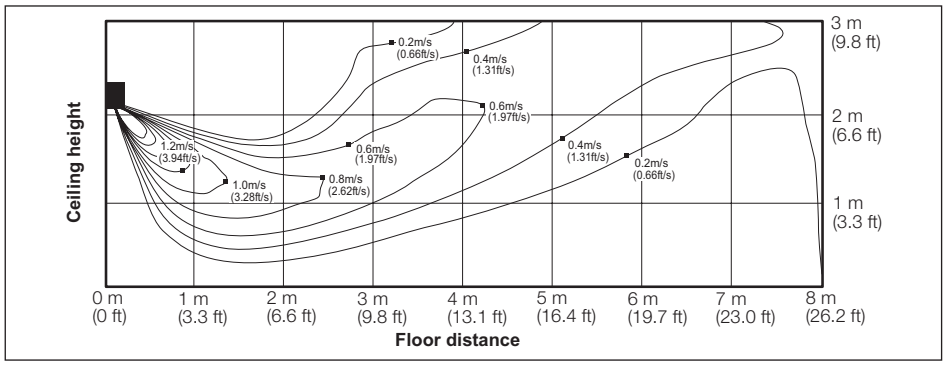
2) Cooling temperature distribution

◆ Discharge angle : 60°



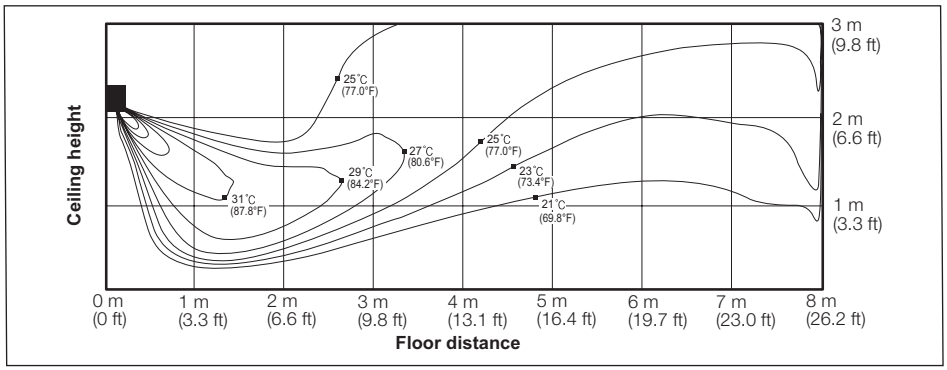
3) Heating air velocity distribution

◆ Discharge angle : 60°



4) Heating temperature distribution

◆ Discharge angle : 60°



Memo

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Indoor Units

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✻ Specification may be subject to change without prior notice for the continuous product improvement.